

## CLIMATOLOGICAL DATA FOR SEPTEMBER, 1912.

## DISTRICT NO. 6, MISSOURI VALLEY.

MONTROSE W. HAYES, District Editor.

## GENERAL SUMMARY.

There was a marked range in temperature during the month. The first 8 or 10 days were quite warm, the heat in the lower part of the district being equal to that of midsummer, while the last two-thirds of the month was exceptionally cool. In all the States of the district, except Montana, Wyoming, and Colorado, there were temperatures of  $100^{\circ}$  or higher, and in the three Mountain States just mentioned the maximum temperatures at some stations exceeded  $90^{\circ}$ . All of these high temperatures occurred before the 10th. The continued cool weather after the 10th was unusual, although not altogether unprecedented. In some part of every State in the drainage area there were temperatures considerably below the freezing point. Frost formed as far southeast as the mouth of the Missouri River, but in the extreme lower part of the district it was confined to low grounds. The damage from both frost and freezing weather was small; in the Dakotas some late crops were hurt, and in Iowa the maturing of corn was retarded, but probably more on account of the long succession of cool nights than because of any especially low temperatures. In other sections the damage appears to have been confined to garden vegetables.

In a large part of the drainage area the precipitation was greater than it usually is in September. This caused some inconvenience and delay in the gathering of crops, but it can not be said to have been actually detrimental.

## TEMPERATURE.

In St. Louis the mean temperature for the month was  $0.9^{\circ}$  above the normal. From this station westward and northward there was a gradual decrease in the monthly means, as compared with the normal for September, and in the mountain country forming the western border of the district there was a deficiency in temperature at the end of the month that was equal to a daily average of  $8^{\circ}$  to  $10^{\circ}$ . This deficiency was unusually great and places the month among the coldest of Septembers since State-wide observations have been made, and if the last 20 days of the month are considered apart from the first 10 days, they doubtless form a period that was cooler than any of equal length in any other September of the last 25

or 30 years. This, of course, would not be true of very limited areas, but applies to the Missouri River drainage area as a whole, which is of such great extent that it is unusual for decidedly abnormal weather conditions to prevail throughout it for a considerable length of time. The minimum temperature for the month at the individual stations was in no case where observations have been made for a lengthy period unprecedently low. The low mean was due to the long duration of abnormally cool weather, and not to any extremely cold days. The hot weather during the first 10 days was most pronounced in the lower third of the district, where temperatures reached almost as high a point as they did during the warmest part of the summer. The 7th, 8th, and 9th were the warmest days. In Montana this warm period was fairly well marked, by comparison with the remainder of the month, but it was not as pronounced as elsewhere, as the daily mean temperatures were very little above the normal.

## PRECIPITATION.

The precipitation was quite well distributed through the month and was above the normal in most of the district. The regions having a deficiency were northwestern Iowa and a large part of South Dakota, the Grand River Valley in south-central Iowa and north-central Missouri, a large part of Kansas, and in central Nebraska. On both sides of the Missouri River between Sioux City and Omaha the rains were heavy, and in numerous localities in the Mountain States they were especially heavy. The greatest amount for the month was 10.12 inches at Audubon, Iowa, and the greatest fall in 24 consecutive hours was 4.10 inches at Falls City, Nebr., on the 3d. There was no snow reported in Iowa; in Kansas and Missouri there was a mere trace; in Nebraska there was a very scattered fall, but in the remainder of the district there were quite general snows, which were heavy in portions of the mountain and foothill country.

## RIVERS.

The Kansas and Missouri tributaries of the Missouri River were low, but the main stream and its tributaries above Kansas City had a normal flow throughout the month.

## MONTHLY WEATHER REVIEW.

SEPTEMBER, 1912

TABLE 1.—Climatological data for September, 1912. District No. 6, Missouri Valley.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.					Precipitation, in inches.					Number of rainy days 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	Prevailing wind direc- tion.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unfilled.							
<i>Wyoming.</i>																					
Arapahoe.	Fremont.	2									3.65		0.90		6	8	17	5	sw.	Edw. L. Seyman.	
Barnum.	Johnson.	5,500	7																	Thos. Freeguard.	
Basin.	Bighorn.	3,862	13																	O. J. Robertson.	
Bennett.	Carbon.	3																		Chas. C. Young.	
Big Creek Station.	do.	7,500	1																	U. S. Forest Service.	
Burns.	Laramie.	5,400	2	49.4		85	2	19	24	36	2.52		1.05		10	7	18	5	ne.	E. W. Bastian.	
Casper.	Natrona.	5,101	3																	M. C. Cook.	
Centennial.	Albany.	8,074	9	48.8		74	3	13	29	41	2.85		1.45	17.6	11	14	4	12	w.	Louis A. Gregory.	
Cheyenne.	Laramie.	6,088	41	49.2	- 8.0	81	3	22	25	44	3.91	+ 2.97	1.56	10.3	11	8	10	7	nw.	U. S. Weather Bureau.	
Chugwater.	do.	5,282	11	48.8g	- 8.3	85g	3†	18g	25g	44	2.37	+ 1.12	1.66	8.0	3	10g	7g	6g	nw.	A. H. Woolever.	
Clark.	Park.	4,320	7	50.8		82	2	23	29	32	2.01		0.77	T.	11	10	6	14	n.	Chas. A. C. Snow.	
Cody.	do.	5,000	5	48.8		82	2	25	27	40	1.45		0.41	5.0	8	11	3	16	w.	D. A. Tinkcom.	
Crazy Creek.	do.	6,828	1	39.1		68	3	7	29	54	1.59		0.73	2.4	12	11	2	17	w.	Jas. Smith.	
Dome Lake.	Sheridan.	8,821	4	37.4		69	6	10	29	36	4.05		0.90	40.5	11	10	11	9	w.	Abe Mills.	
Douglas.	Converse.	4,793	3																	Henry C. Miller.	
Dubois.	Fremont.	6,609	5	42.7		71	2	22	21	38	1.43		0.33	T.	7	1	18	11	w.	Dr. F. H. Welty.	
Eaton Ranch.	Sheridan.	4,600	7	49.4		87	2	24	25	40	4.23		0.97	9	13	5	12	n.	F. A. Eaton.		
Echeta.	Crook.	4,200	3																M. R. Hunter.		
Elk Mountain.	Carbon.	7																	Wm. Richardson.		
Encampment.	do.	7,322	3	47.8e		74°	4	18°	26	42°	1.28		0.55		6	2	15°	1°	n.	U. S. Forest Service.	
Ervay.	Natrona.	6,400	3	44.8		80	3	20	25	42	4.26		0.90	22.5	11	6	11	13	sw.	Frank Jameson.	
Fort Laramie.	Laramie.	4,270	34	52.9	- 7.1	92	4	22	25	46	2.84	+ 1.84	1.84	2.8	6	9	11	10	w.	John Hunton.	
Foxpark.	Albany.	9,015	2																U. S. Forest Service.		
Germania.	Bighorn.	4,312	49.0			85	2	27	21	44	1.46		0.47	1.0	12	5	3	22	nw.	J. W. Peper.	
Gillette.	Crook.	4,546	6	49.1		88	3	26	24	38	2.30		0.70		11	11	5	14	w.	S. D. Perry.	
Horse Creek.	Fremont.	38.8b				66 <sup>b</sup>	2	11 <sup>b</sup>	21	36 <sup>b</sup>	0.87		0.24	3.5b	6 <sup>b</sup>	7 <sup>b</sup>	4 <sup>b</sup>	11 <sup>b</sup>	n.	U. S. Forest Service.	
Hunters Station.	Johnson.	8,000	6	40.2		74	3	12	29	42	3.42		0.87	30.0	13	13	8	11	w.	Do.	
Hyattsville.	Bighorn.	4,632	13	50.6	- 7.8	87	3	28	30	40	1.16		0.50	T.	8	11	4	15	w.	Wm. Booth.	
Jireh.	Converse.	5,050	2			88	4	12	25	47	2.85		1.34	9.0	10	11	5	14	nw.	P. L. Ford.	
Kirtley.	Park.	8	53.8			62	2	10	20 <sup>f</sup>	38	4.95		1.00	49.0	13	11	10	9	w.	D. M. ZumBrunnen.	
Kirwin.	Laramie.	4,510	2	52.6		89	17	22	25	45	4.30		0.58	14.2						Owen Shupp.	
Knowles.	Crook.	4,500	3	34.2		82	2	25	26	40	3.88	+ 2.86	0.87	5.3	10	8	11	6	se.	Geo. A. Knowles.	
Lagrange.	Laramie.	5,372	20	47.6	- 7.6	81	3	21	25	40	3.88	+ 2.86	1.48	10.5	7	19	5	6	sw.	U. S. Weather Bureau.	
Lander.	Fremont.	7,188	21	46.0	- 7.4	77	2	18	30	40	2.64	+ 1.62								C. A. Cowdin.	
Leo.	Carbon.	6,378	10																Mary E. Painter.		
Lolabana Ranch.	Park.	7,052	8	43.4		75	4	14	29	42	1.11		0.40	6.0	5	12	7	11	w.	R. Fred Harrison.	
Lovell.	Bighorn.	3,825	6	49.4		85	2	24	30	45	2.13		0.30	1.0	11	3	12	15	n.	D. E. Goddard.	
Lusk.	Converse.	5,007	21																L. C. Stoddard.		
Manville.	Crook.	5,050	2																C. T. McCampbell.		
Moorecroft.	Crook.	4,111	8	49.4 <sup>c</sup>		95 <sup>c</sup>	3	25 <sup>c</sup>	25 <sup>c</sup>	42 <sup>c</sup>	1.75		0.50	2.0	9	5 <sup>c</sup>	18 <sup>c</sup>			Edwin Moore.	
Moore.	Albany.	6,000	11	48.1	- 7.9	84	2	21	15 <sup>f</sup>	46	3.45	+ 1.78	1.15	9.4	10	5	16	9	w.	Dr. S. W. Johnson.	
Newcastle.	Weston.	4,319	5	48.4		88	1	22	25	38	2.14		1.31	0.5	7	5	18	nw.	U. S. Reclamation Service.		
Pathfinder.	Natrona.	5,735	6	49.4		77	2	26	25	43	2.15		0.58	12.0	10	6	11	13	sw.	C. L. Beatty.	
Pinebluff.	Laramie.	5,038	9	52.1		87	1	22	25	48	3.42		1.60		10				P. Woxen.		
Pine Ridge.	Crook.																		G. Frederick Clark.		
Powell.	Park.	4,376	4			80 <sup>a</sup>	7	24	29	38 <sup>a</sup>	1.80		0.66	3.7	8	13	10	7	nw.	U. S. Reclamation Service.	
Rawlins.	Carbon.	6,748	10	47.6	- 6.4	75	2	19	15	45	2.25	+ 1.09	0.90	1.90	5	14	10	6	w.	E. J. Ehrenfeld.	
Riverton.	Fremont.	4,900	3	49.6		84	3	26	25	46	3.32		1.04	4.0	5	14	10	6	nw.	F. H. Allyn.	
Rocky point.	Crook.	6,785	14	48.3 <sup>a</sup>		82 <sup>a</sup>	13	18 <sup>a</sup>	25	30	0.47 <sup>a</sup>		3.28		0.59	8.5	10	4	16	nw.	P. Woxen.
Saratoga.	Carbon.	40.0 <sup>a</sup>				70 <sup>a</sup>	5	10	25	31	2.85		1.93	19.0	7	7 <sup>a</sup>	7 <sup>a</sup>	5 <sup>a</sup>	nw.	U. S. Forest Service.	
Seven Mile Creek.	Sheridan.	3,790	17	48.7	- 6.6	89	2	23	30	50	3.79	+ 1.73	0.88	1.6	15	6	5	19	nw.	U. S. Weather Bureau.	
Shoshone Dam.	Park.	5,385	6	49.8		81	2	31	28 <sup>f</sup>	30	2.61		0.58	9.8	12	5	7	18	w.	U. S. Reclamation Service.	
Soldiers Home.	Johnson.	4,635	20																Joel C. Smiley.		
South Pass City.	Fremont.	7,573	10	39.8		70	25	13	21	46	0.92		0.20	2.5	9	4 <sup>d</sup>	5 <sup>d</sup>	17 <sup>d</sup>	sw.	John Sherlock.	
Sundance.	Crook.	48.0				86	4	17	25	34	2.70		0.50		11	5	13	12	w.	Geo. W. Ashdown.	
Thermopolis.	Fremont.	4,350	8	51.2		88	2 <sup>d</sup>	28	21	45	3.49		0.78	3.0	14	12	9	9	n.	A. L. Duhig.	
Thornton.	Weston.	4,350	49.4			90	4	22	25	38	1.53		0.62	2.5	10	8	6	16	nw.	Geo. H. Ferguson.	
Ulm.	Sheridan.																		W. H. Coleman.		
Verona.	do.	4,360	3																O. A. Roode.		
Wheatland.	Laramie.	7,400	2	51.4		84	2	22	30	33	3.76		2.24	1.0	9	14	3	13	w.	A. de F. Shively.	
Winters Ranch.	Carbon.	5,375	3																Ira G. Wiant.		
Wiley.	Park.	5,375	3																Thos. S. Harrison.		
Woodrock.	Sheridan.																		U. S. Forest Service.		
Worland.	Bighorn.	1	51.3			88	3	25	30	44	1.51		0.57		11	9	11	10	nw.	Prof. B. C. Buffum.	
Wyncote.	Laramie.	4,207	5	52.4		89	3	19	30	53	2.91		1.10	T.	5	10	14	6	nw.	U. S. Reclamation Service.	
Yellowstone Park.	Yellowstone Park.	6,200	24	42.8	- 10.6	69	3	21	21	42	1.09	+ 0.08	0.43	1.9	13	3	10	17	sw.	U. S. Weather Bureau.	
Pairview Dome.	Fountain.	7,000	7	39.8		70	4	10	26	42	1.21		0.30	3.0	6	7	17	sw.	U. S. Army.		
Fountain.	Gallatin.	1	50.4			89	4	16	29	48	2.57		0.30	5.0	5	12	10	8	n.	Do.	
Grand Canyon.	do.	7,900	5	40.4		74	17	14	29	50			0.95	7.0	13	6	10	14	nw.	Do.	
Lake Yellowstone.	do.	7,733	8	39.2		74	17	14	29	50					12	8	10	ne.	Do.		
Norris.	do.	7,575	8			71	17	11	29	50					2</						

TABLE 1.—*Climatological data for September, 1912. District No. 6—Continued.*

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.			Departure from the normal.			Total.			Departure from the normal.								
				Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Greatest in 24 hours.	Total rainfall.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of overcast days.						
<i>Montana—Continued.</i>																					
Busby.	Rosebud.	8	49.1	91	2	20	29	52	3.46	0.81	11.0	15	7	11	12	w.	Rev. G. A. Linscheid.				
Busteed.	Sweet Grass.	4	49.4	89	2	19	29	44	2.22	0.50	3.0	10	13	8	9	nw.	T. H. Busteed.				
Cabin Creek.	Beaverhead.	2							0.68	0.41	4.5	4	15	10	5	s.	W. J. Crowell.				
Canyon Ferry.	Lewis & Clark.	3,644	49.6	— 6.8	76	7	24	23†	43	1.76	+ 0.62	0.44	0	9	12	8	nw.	A. C. Pratt.			
Cascade.	Cascade.	3,361	50.8	76	30	21	29	44	2.43	0.77	T.	14	10	11	16	sw.	Dr. E. E. James.				
Chessman Reservoir.	Lewis & Clark.	5,275	41.6	63	6†	18	29	36	2.81	0.55	2.0	10	13	1	16	w.	C. D. Schmidt.				
Chester.	Hill.	3,140	48.6	75	16	21	15	50	1.10	0.45	0	6	12	4	14	nw.	E. D. Keith.				
Chinook.	Blaine.	2,502	50.9	— 6.8	77	7	23	16†	48	1.26	+ 0.07	0.68	0	9	13 <sup>c</sup>	10 <sup>c</sup>	w.	T. O'Hanlon Co.			
Clemons.	Lewis & Clark.	4,672	2						3.08	1.30	0.5	11	7	9	14	w.	Frank Eberl.				
Clydepark.	Park.	1	46.4	77	2	14	24	50	1.07	0.30	1.0	7	12	5	13	nw.	Frank Taylor.				
Crow Agency.	Rosebud.	3,041	51.3	— 8.7	88	2	23	29	48	3.65	+ 2.74	0.79	3.5	14	8 <sup>a</sup>	21 <sup>a</sup>	w.	Ira R. Bamber.			
Cut Bank.	Teton.	3,700	48.0	— 4.0	77	21†	21†	15†	48 <sup>e</sup>	2.42	+ 0.50	0.92	0	5	9 <sup>a</sup>	8 <sup>a</sup>	w.	Chas. N. Thomas.			
Denton.	Fergus.	3,500	50.2	81	30	27	28	43	1.72	0.86	— 0.71	1.2	T.	12	7	11	sw.	P. J. Griesenauer.			
Dillon.	Beaverhead.	5,147	50.7	— 4.7	74	1†	28	26	44	0.86	— 0.71	1.2	T.	10	14	10	nw.	Prof. J. E. Monroe.			
Dry Creek.	Broadwater.	5,500	2						2.08	0.50	0	12	7	8	15	nw.	J. C. Stuart.				
Dry Wolf Camp.	Cascade.	6,000	3						1.78	0.43	9.6	10	14	6	10	nw.	Mrs. Harriet R. Eveleth.				
Dunkirk.	Teton.	3,293							1.68	0.51	4.0	6	16	7	7	w.	B. C. Protzman.				
East Gallatin River.	Gallatin.	6,000	3						2.32	0.80	1.0	10	6	10	14	w.	John Eberhardt.				
Ekalaka.	Custer.	11	51.6	— 7.6	92	4	22	29	48	2.13	+ 0.44	0.44	0	9	13	7	w.	William Freese.			
Elkhorn.	Custer.	6,576	3						2.23	0.60	5.9	12	9	7	14	w.	James Heagan.				
Fallon.	Meagher.	2,208	51.6	92	2	18	29	52	0.81	0.38	0	4	12	11	7	w.	Mrs. A. C. Gifford.				
Findon.		6,000	3						2.37	0.86	8.5	15	10	4	14	w.	Lewis Cameron.				
Fish Creek.	Silver Bow.	8,500	2	39.0	60	30			30	2.65	0.50	10.5	8	5 <sup>a</sup>	10 <sup>a</sup>	w.	O. B. Tilton.				
Flathead Creek.	Gallatin.	6,000	1	44.6	79	26	15	28	37	2.18	0.52	3.0	11	4	8	18	sw.	Alta Williams.			
Forsyth.	Rosebud.	2,514	53.4	95	2	24	30	54	2.85	0.93	T.	7	10	6	14	w.	H. Mackenzie.				
Fort Benton.	Chouteau.	2,630	48.6	— 9.1	72	11	26	28	34	1.31	+ 0.21	0.70	0	5	18 <sup>b</sup>	15 <sup>b</sup>	w.	Jere Sullivan.			
Fort Shaw.	Cascade.	3,500	49.6	— 6.3	77	30	20	29	48	1.54	+ 0.64	0.75	T.	11	15	3	12	sw.	U. S. Reclamation Service.		
Fort Harrison.	Lewis & Clark.	4,004	49.0	76	30	25	28	40	1.34	0.30	0	0	13	3	14	w.	Post Hospital.				
Glasgow.	Valley.	2,092	50.0	— 8.3	79	2†	20	29	44	1.06	+ 0.03	0.75	0	3	13	10	w.	W. M. Leonard.			
Glendive.	Dawson.	2,069	51.6	— 9.5	92	2	20	29	50	1.10	— 0.04	0.35	0	8	9	7	ne.	E. C. Leonard.			
Gold Butte.	Hill.	4	47.5	74	17†	23	24†	42	2.44	0.75	2.0	11	10	11	9	w.	Joseph Berthelote.				
Graham.	Custer.	6	50.0	90	4	21	29	48	3.17	0.84	1.7	13	12	4	14	nw.	J. S. Rue.				
Grayling.	Gallatin.	6,700	37.88	67 <sup>a</sup>	30	75	29	55 <sup>a</sup>	0.47	0.20	T.	4	6 <sup>a</sup>	8 <sup>a</sup>	8 <sup>a</sup>	w.	T. Kerzenmacher.				
Great Falls.	Cascade.	3,350	51.4	— 6.5	76	6	30	29	35	2.10	+ 0.85	0.66	T.	9	4	13	sw.	Robert Deardorff.			
Halfway House.	Broadwater.	6,000	2						1.43	0.40	0	7	10	8	12	ne.	Gordon Deans.				
Harlowton.	Meagher.	4,165	46.4	75	2	19	28†	47	4.05	0.50	0.35	T.	2	9	7	w.	Joseph Muir.				
Havre.	Hill.	2,505	48.6	— 9.0	76	7	22	22	49	1.20	+ 0.17	0.72	2.9	9	13	7	w.	U. S. Weather Bureau.			
Helena.	Lewis & Clark.	4,110	49.0	— 7.2	74	18	27	29	34	1.73	+ 0.67	0.92	T.	7	9	6	w.	Do.			
Hibwood.	Chouteau.	3,014	52.0	88	2	22	29	44	2.85	0.82	0	8	16	6	8	w.	W. S. McCord.				
Huntley.	Yellowstone.	6,800	3						3.81	1.12	14.0	10	15	0	15	e.	U. S. Reclamation Service.				
Jones Canyon.	Gallatin.	3,450	51.4	— 6.5	76	6	30	29	35	2.10	+ 0.85	0.66	T.	9	4	13	sw.	James McCune.			
Jordan.	Dawson.	6	50.4	80 <sup>a</sup>	30	23	29	50 <sup>a</sup>	0.85	0.25	0	4	5 <sup>a</sup>	12 <sup>a</sup>	10 <sup>a</sup>	nw.	W. C. Henderson.				
Knobles Ranch.	Hill.	1							2.32	0.71	4.0	12	11	8	11	w.	F. H. Knobles.				
Lonetree.	Teton.	3,280	51.2	82	30	22	29	52	1.60	0.55	0	7	18	3	9	w.	E. Wilson.				
Lytle.	Gallatin.	4,90.0	49.0	78	30	25	28	40	1.53	0.62	2.0	8	15	8	7	sw.	J. F. Faith.				
Malta.	Valley.	2,240	49.8	77	7	22	28†	49	0.93	0.38	0	6	14	7	9	n.	U. S. Reclamation Service.				
Medicine Lake.	Jefferson.	1	48.5	82	2	22	27	47	0.87	0.50	0	5	18	3	9	n.	J. S. Collier.				
Mildred.	Custer.	3							1.60	0.45	T.	8	12	13	5	nw.	Leon B. Clark.				
Miles City.		2,371	52.9	— 8.3	93	2	26	29	47	1.44	+ 0.52	0.44	T.	9	6	17	w.	U. S. Weather Bureau.			
Norris.	Madison.	4,845	50.7	76	30	29	29	39	1.96	0.46	1.0	11	8	13	9	s.	Madison River Power Co.				
Olsen Creek.	Jefferson.	6,345	3						2.11	0.66	0	7	13	7	10	w.	Robert Olsen.				
Pinegrove.	Musselshell.								2.29	0.55	3.0	7	13	12	12	nw.	G. A. Woodcock.				
Pipestone Pass.	Jefferson.	7,000	3						1.83	0.65	3.0	11	13	7	10	e.	Mrs. T. Keirmeyer.				
Plevna.	Custer.	2,757	50.0	88	2	21	29	48	1.53	0.35	0	9	12	9	9	nw.	C. C. Conser.				
Poplar.	Valley.	2,020	51.5	— 8.7	88	2	20	29	51	0.25	— 0.69	0.25	0	1	10	9	w.	H. M. Coster.			
Red Lodge.	Carbon.	5,548	43.2	— 10.3	79	2	19	16	38	3.49	+ 1.66	0.66	12.0	10	6	15	nw.	I. A. Draper.			
Renova.	Jefferson.	4,383	48.4	— 7.7	79	11	19	29	48	1.43	+ 0.15	0.41	T.	8	16	2	sw.	F. B. Elmer.			
Ryegate.	Musselshell.	3,640	53.4	90	2†	20	29	50	2.08	0.83	0	6	17	5	8	w.	H. Scherfenberg.				
Savage.	Dawson.	2,050	52.2	87	2	22	29	49	1.15	0.30	0	10	13	7	10	w.	U. S. Reclamation Service.				
Shelby.	Teton.	3,276	49.2	79	6	22	22	50	1.56	0.65	T.	7	12	13	5	nw.	C. D. Kicher.				
Sidney.	Dawson.	1	50.4	84	2	23	25	48	1.44	0.50	0	7	15	4	11	n.	Fred W. Arndt.				
Springbrook.	do.	10	49.4	— 10.1	87	2	21	29	47	1.54	+ 0.17	0.44	1.0	6	5	17	n.	Mrs. H. L. Miller.			
Stearns.	Lewis & Clark.	4,500	2						3.82	1.18	1.5	9	13	8	9	sw.	Estelle W. Estill.				
Sunlit farm.	Blaine.	1	46.4	73	7†	17	28	48	1.02	0.23	T.	9	13	5	12	nw.	C. R. Noyes.				
Sun River Canyon.	Teton.	4,650	45.2	77	30	17	29	55	2.02	0.70	0.2	13	11	7	12	w.	U. S. Reclamation Service.				
Trail Creek.	Park.	6,000	3						3.13	0.83	11.4	10	18	4	8	w.	A. Weidenbauer.				
Utica.	Fergus.	5,000	48.0	— 8.1	76	7†	22	29	48	1.64	+ 0.37	0.32	T.	13	15	11	w.	P. W. Korell.			
Valentine.	do.	5	50.0	85	7	22	16	56	1.72	0.68	0	6	16	3	11	w.	B. M. Bean.				
Valter.	Teton.	5,880	47.8	— 6.3	73	30	22	21	48	1.57	+ 0.15	0.55	0	7	10	8	nw.	R. M. Templeton.			
Virginia City.	Madison.	5,600	3						2.00	0.47	0.1	11	11	13	6	nw.	D. L. Doig.				
Wall Rock Mountain.	Broadwater.	7,500	2						1.85	0.40	0.30	0	3	15	4	nw.	M. D. Lytle.				
Warm Springs Creek.	Madison.								1.86	0.40	0	3	15	7	17	nw.	P. O.				

TABLE 1.—Climatological data for September, 1912. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeasured.	Number of rainy days 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.			
<b>North Dakota—Contd.</b>																					
Haley.	Bowman.	4	54.1	93	3	18	29	49	2.19	.....	0.70	1.0	8	12	6	12	nw.	A. O. Lawrence.			
Hettinger.	Adams.	2,253	6	54.1	—	78	2	21	29	44	1.02	0.30	T.	9	4	12	14	w.	W. R. Lanxon.		
Howard (near).	Divide.	2,275	6	48.1	—	95 <sup>a</sup>	8	23	29	52 <sup>a</sup>	2.61	+ 1.03	0.55	13	10	2	18	nw.	C. P. Amsbaugh.		
Jamestown.	Stutsman.	1,390	25	51.1	—	6.1	21	29	52 <sup>a</sup>	2.61	+ 1.03	0.25	T.	11	14	3	13	nw.	Thos. Pettigrew.		
Lamoine.	Kidder.	5	50.4	89	3 <sup>b</sup>	20	29	42	2.02	.....	1.00	1.0	8	12	10	8	nw.	E. V. Virgin.			
McHenry (near).	Eddy.	1,509	3	44.2	87	3	19	26	36	2.97	.....	0.70	1.5	9	11	4	15	nw.	John Knox.		
Marmarth (near).	Bowman.	5	50.0	90	3	19	29	47	2.09	.....	0.45	2.5	9	9	9	12	nw.	S. P. Crane.			
Marstonmoor.	Stutsman.	5	50.0	—	0.9	32	21	64	2.12	+ 1.36	0.85	T.	8	12	4	14	nw.	H. H. McCumber.			
Medora.	Billings.	2,225	18	58.1	+ 0.9	23	22	42	2.73	+ 1.57	0.73	.....	7	14	9	3	18	w.	J. W. Hesser.		
Melville.	Foster.	1,590	15	53.9 <sup>b</sup>	—	1.7	98 <sup>b</sup>	21	29	50	1.97	.....	0.15	T.	14	9	3	18	nw.	J. P. Kidder.	
Mott.	Hettinger.	6	52.3	—	6.1	93	3	19	29	50	2.02	.....	0.53	2.0	14	7	2	21	sw.	O. H. Opland.	
Napoleon.	Logan.	1,955	21	50.7	—	6.1	91	3 <sup>b</sup>	19	29	44	2.41	+ 1.24	0.68	T.	10	7	5	18	nw.	C. J. Hool.
New England.	Hettinger.	2,400	17	50.8	—	5.4	93	3	20	25	46	1.65	+ 0.65	0.48	T.	11	13	9	7	nw.	J. M. Connolly.
New Rockford.	Eddy.	1,531	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	nw.	J. V. M. Sundberg.	
New Salem.	Morton.	2,163	6	51.6	—	94	4	24	29	50	2.14	.....	0.50	T.	13	9	7	14	nw.	J. Christiansen.	
Orange.	Adams.	6	50.5	—	—	91	3	21	25 <sup>b</sup>	47	2.52	.....	0.57	S.0	9	9	10	11	nw.	J. E. Goforth.	
Ranger.	Billings.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	nw.	R. E. Sheriff.	
Steele.	Kidder.	1,857	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	s.	H. S. Wood.	
Turtle Lake.	McLean.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	nw.	E. G. Ranum.	
Washburn.	do.	1,731	9	53.4	—	92	4	25	25 <sup>b</sup>	40	1.97	.....	0.64	0	10	14	9	7	nw.	W. R. Peterson.	
Williston.	Williams.	1,875	33	50.0	—	9.5	84	4	24	29	44	0.89	— 0.02	0.27	T.	9	4	13	13	sw.	U. S. Weather Bureau.
<b>South Dakota.</b>																					
Aberdeen.	Brown.	1,300	22	54.6	—	4.5	95	3 <sup>b</sup>	23	27	49	1.72	— 0.13	0.50	T.	9	16	7	7	ne.	D. G. Gallett.
Academy.	Charles Mix.	13	58.0	—	5.5	95	8	27	27	35	1.03	— 0.57	0.19	0.2	9	14	4	12	nw.	I. T. Lothrop.	
Ardmore.	Fall River.	3,557	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	nw.	F. L. Kelso.	
Armour.	Douglas.	1,521	16	57.6	—	5.5	99	8	24	27	45	1.05	— 1.03	0.50	T.	4	12	10	8	nw.	T. J. Markey.
Bellefourche.	Butte.	3,000	4	52.8	—	85	7	21	29	45	2.57	.....	0.65	2.0	9	6	9	15	nw.	U. S. Reclamation Service.	
Brookings.	Brookings.	1,636	23	56.4	—	3.3	92	5	23	27	40	1.61	— 0.47	0.75	2.0	9	9	12	nw.	Experiment Station.	
Bryant.	Hamlin.	1,846	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	nw.	J. W. Ault.	
Camp Crook.	Harding.	3,000	21	51.2	—	7.8	94	3	19	29	55	2.01	— 0.93	0.54	T.	11	12	6	12	nw.	U. S. Forest Service.
Canton.	Lincoln.	1,245	17	59.6	—	2.4	94	5	20	27	44	1.55	— 0.92	0.86	0	4	13	5	2	se.	John H. Holsey.
Cascade Springs.	Fall River.	3,422	4	54.0	—	—	92	3	18	25	46	1.18	.....	0.58	T.	4	12	3	15	nw.	Fred Noerenberg.
Castlewood.	Hamlin.	1,685	6	55.8	—	93	8	20	27	40	1.40	.....	0.42	3.0	10	7	6	17	nw.	M. N. Bradley.	
Centerville.	Turner.	1,229	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	nw.	Frank Williams.	
Chamberlain.	Brule.	1,363	14	58.6	—	5.9	93	4 <sup>b</sup>	28	27	42	0.52	— 0.74	0.15	4	—	—	—	nw.	W. B. Van Horn.	
Clark.	Clark.	1,779	18	54.0	—	5.3	95	5 <sup>b</sup>	20	27	48	1.97	— 0.47	0.51	2.0	14	9	8	13	sw.	O. H. LaCraft.
Cottonwood.	Stanley.	2,414	4	54.8	—	—	95	7	22	29	47	1.30	.....	0.56	T.	10	10	9	11	nw.	Experiment Station.
Custer.	Custer.	5,316	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	nw.	R. P. Imes.	
Daviston.	Perkins.	3	51.2	—	—	95	3	18	21	50	2.25	.....	0.68	0.2	11	11	10	9	nw.	P. A. Sattler.	
Deadwood.	Lawrence.	4,535	3	47.8	—	—	89	3	14	25	44	4.70	.....	1.40	9.5	12	11	6	13	nw.	R. E. Grinnshaw.
Deerfield.	Pennington.	6,000	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	nw.	Frank E. Miller.	
De Smet.	Kingsbury.	1,726	19	57.0	—	3.0	93 <sup>b</sup>	5	22 <sup>b</sup>	27	38 <sup>b</sup>	1.92	— 0.04	0.55	0.5	6	16	7	7	nw.	J. O. Purinton.
Dowling.	Stanley.	2,250	3	55.2	—	95	4	27	25	39	1.92	.....	0.40	T.	10	10	10	10	nw.	M. P. Dowling.	
Dumont.	Lawrence.	6,195	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	nw.	A. B. Wood.	
Eagle Butte.	Dewey.	2,415	—	53.7	—	—	95	3	23	25	37	1.78	.....	0.55	0.7	10	13	11	6	nw.	Dr. John F. Chandler.
Eales.	Potter.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	nw.	A. H. Peterson.	
Edson.	Meade.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	nw.	J. C. Stoner.	
Elk Mountain.	Custer.	4,700	3	51.2	—	94	3	19	29	43	1.55	.....	0.75	5.8	9	7	9	14	nw.	James E. Blaine.	
Ellingson.	Perkins.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	nw.	Carl G. Moen.	
Englewood.	Lawrence.	5,723	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	nw.	T. J. Cummings.	
Eureka.	McPherson.	1,884	3	52.8	—	92	3 <sup>b</sup>	22	27	42	1.43	.....	0.38	T.	14	6	14	10	nw.	Experiment Station.	
Fairfax.	Gregory.	8	58.0	—	98	8	26	27	43	1.02	.....	0.40	T.	7	17	9	4	nw.	U. S. Stevenson.		
Faulkton.	Faulk.	1,595	17	56.2	—	3.9	93	3 <sup>b</sup>	24	27	42	1.05	— 0.40	0.36	—	10	15	1	14	nw.	Miss Belle Talcott.
Flandreau.	Mooody.	1,565	29	58.0	—	3.2	93	8	25	27	37	1.86	— 0.39	1.05	0.2	5	9	9	12	nw.	W. A. Harris.
Forestburg.	Sanborn.	1,231	20	58.4	—	3.8	101	8	23	27	40	1.83	+ 0.07	0.99	4.0	8	16	8	6	se.	S. S. Judy.
Fort Meade.	Meade.	3,624	20	50.5	—	10.1	90	5 <sup>b</sup>	20	29	39	2.50	+ 1.59	0.50	0.5	11	9	5	16	nw.	Post Hospital.
Frederick.	Brown.	1,371	3	52.4 <sup>d</sup>	—	93 <sup>d</sup>	5	18 <sup>d</sup>	27	47 <sup>d</sup>	1.04	.....	0.22	T.	7	14	7	7	nw.	J. E. Jeffers.	
Gann Valley.	Buffalo.	14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	nw.	A. L. Hanson.	
Greenmont.	Lawrence.	6,430	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	nw.	H. C. Hoffbuh.	
Greenwood.	Charles Mix.	20	60.7	—	4.8	101	7	30	28	48	4.97	— 1.13	1.85	25.0	15	5	13	12	w.	T. C. Williamson.	
Hardingrove.	Stanley.	54.1	—	—	—	96 <sup>b</sup>	3 <sup>b</sup>	21	27	41	1.51	.....	0.40	0.1	11	6	7	17	nw.	Mrs. Laura Sinclair.	
Harvey Ranch Station.	Lawrence.	6,600	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	nw.	Rufus J. Pilcher.	
Hermosa.	Custer.	3,278	6	53.6	—	95	3	22	24	37	0.89	.....	0.34	0	9	14	6	10	nw.	Jerome Harvey.	
Highmore.	Hyde.	1,890	16	56.0	—	91	4 <sup>b</sup>	25	27	39	0.71	.....	0.16	—	10	13	3	14	nw.	S. M. Booth.	
Hopewell.	Stanley.	2,226	2	55.5	—	98	3	24	25	39	1.27	.....	0.40	2.0	—	—	—	—	nw.	E. R. Myers.	
Howard.	Miner.	1,564	20	55.4	—	6.1	93 <sup>b</sup>	5 <sup>b</sup>													

TABLE 1.—Climatological data for September, 1912. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.								Precipitation, in inches.								Sky.				Prevailing wind direction.	Observers.		
				Mean.				Departure from the normal.				Greatest daily range.				Departure from the normal.				Total.							
				Highest.	Date.	Lowest.	Date.	Greatest.	Date.	Lowest.	Date.	Greatest.	Date.	Lowest.	Date.	Greatest.	Date.	Total.	Greatest in 24 hours.	Total snowfall, unmeted.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.				
<i>South Dakota—Contd.</i>																											
Pollock.	Campbell.	6	52.4	—	6.3	96	3	22	30	53	2.21	—	—	—	0.78	T.	7	13	6	11	nw.	J. H. Jones.					
Rapid City.	Pennington.	3,251	52.8	—	6.3	92	3	27	29	40	0.90	+ 0.36	0.35	0.4	10	10	8	12	nw.	U. S. Weather Bureau.							
Redfield.	Spink.	1,295	56.5	—	2.6	96 <sup>a</sup>	7 <sup>b</sup>	25 <sup>a</sup>	27	52 <sup>a</sup>	1.15	+ 0.57	0.64	7	18	2	20	nw.	A. S. Hall.								
Rochford.	Pennington.	5,228	2	53.7 <sup>d</sup>	—	8.3	93	6 <sup>b</sup>	22 <sup>a</sup>	25	51 <sup>d</sup>	1.41	+ 0.42	0.40	5.0	7	9	9	14	nw.	Mrs. M. E. Deffenbaugh.						
Rosebud.	Todd.	2,600	18	53.7 <sup>d</sup>	—	8.3	93	6 <sup>b</sup>	22 <sup>a</sup>	25	51 <sup>d</sup>	1.41	+ 0.42	0.40	5.0	7	9	9	14	nw.	W. M. Ege.						
Roslyn.	Day.	6	53.7	—	—	93	8	24	27	40	2.19	—	0.80	2.5	9	12	7	11	nw.	O. O. Floren.							
Selby.	Walworth.	4	55.0	—	—	91	3	26	25	43	2.10	—	0.58	2.5	8	8	7	15	nw.	Miss Gertrude Hall.							
Sioux Falls.	Minnehaha.	1,400	21	57.6	—	4.8	95 <sup>a</sup>	8	23	27 <sup>b</sup>	38 <sup>a</sup>	3.36	+ 1.10	1.28	0	12	9	12	9	s.	J. H. Bechtold.						
Sisseton.	Roberts.	1,202	6	55.4	—	—	93	5	28	26	36	1.32	—	0.65	—	8	14	0	16	s.	George Gray.						
Sorium.	Perkins.	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	M. S. Eberhart.			
Spearfish.	Lawrence.	3,647	22	50.4	—	10.0	88	3	25	25 <sup>a</sup>	40	3.73	+ 2.48	1.20	3.0	12	6	11	13	w.	A. E. Johnson.						
Stephan.	Hyde.	1,840	8	55.4	—	—	92	4	24	27	43	0.41	0.17	T.	3	12	3	15	nw.	Rev. A. Mattingly.							
Tana.	Meade.	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mrs. O. V. Hansell.			
Timber Lake.	Dewey.	2,163	54.8	—	—	99	4	25	25	48	2.23	—	0.67	2.0	9	13	7	10	nw.	R. T. Holihan.							
Tyndall.	Bonhomme.	1,418	59.0	—	5.5	99	8	23	30	41	1.25	+ 0.41	0.60	T.	9	11	11	8	nw.	F. F. Chladek.							
Vale.	Butte.	2,765	4	53.8	—	—	96	3	21	29	49	2.86	—	0.77	1.0	12	9	10	11	nw.	U. S. Reclamation Service.						
Vermilion.	Clay.	1,222	11	61.7	—	2.7	95	5 <sup>b</sup>	29	27	36	2.34	+ 1.34	0.94	0	8	16	3	11	nw.	Prof. E. C. Perisho.						
Waters Ranch.	Lawrence.	4,000	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	George Waters.			
Watertown.	Codington.	1,735	18	54.9	—	3.7	95	8	21	27	44	2.61	+ 0.78	1.30	1.0	10	9	8	13	s.	Robert Q. Wood.						
Wentworth.	Lake.	19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	R. C. Zimmerman.			
Wessington Springs.	Jerauld.	1,410	12	56.8	—	6.2	98	8	27	27	38	1.16	+ 0.05	0.28	5.0	11	14	12	4	nw.	Mrs. N. J. Dunham.						
White Lake.	Aurora.	1,646	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Mrs. G. A. Rogers.			
Winner.	Trip.	2,000	—	56.6	—	—	97	4	27	24	43	1.04	—	0.25	T.	9	12	5	13	nw.	J. W. Barnum.						
Yankton.	Yankton.	1,234	38	59.6	—	3.7	97	5	30	28	34	2.68	+ 0.23	1.13	0	12	10	11	9	nw.	U. S. Weather Bureau.						
<i>Minnesota.</i>																											
Pipestone.	Pipestone.	1,710	11	59.7	+ 0.2	90	5 <sup>b</sup>	26	27	36	3.48	+ 0.63	1.50	T.	9	3	18	9	se.	A. L. Doan.							
<i>Colorado.</i>																											
Albion Lake.	Boulder.	10,500	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	ne.	F. R. Dungan.					
Arriba.	Lincoln.	5,243	6	55.2	—	—	89	8	24	25	45	1.59	—	0.87	1.5	5	19	6	5	s.	C. A. Creel.						
Auldhurst.	Teller.	8,500	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	s.	Mrs. Alice A. Auldh.					
Bennett (near).	Arapahoe.	5,347	16	55.2	—	8.3	83	1 <sup>b</sup>	28	25	36	2.70	+ 1.04	1.00	T.	10	7 <sup>e</sup>	14 <sup>e</sup>	6 <sup>e</sup>	e.	J. F. Egelhoff.						
Boulder.	Boulder.	5,347	16	55.2	—	8.3	83	1 <sup>b</sup>	28	25	42	2.24	—	1.18	0	8	14	11	5	ne.	Prof. J. A. Hunter.						
Burlington.	Kit Carson.	4,160	9	58.3	—	—	93	3 <sup>b</sup>	25	25	42	2.24	—	0.40	0	4	15	6	9	w.	W. P. Davis.						
Cassells.	Park.	8,445	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Harriet M. Cassell.			
Castle Rock.	Douglas.	6,220	20	51.4	—	8.5	85	2	20	20	48	2.50	+ 1.38	1.25	T.	8	16	2	12	s.	Thos. P. Vaughan.						
Cheesman.	Jefferson.	6,890	9	52.2	—	—	81	1	25	21	42	1.75	—	1.00	13.0	5	0	29	1	s.	J. G. Thornburg.						
Cheyenne Wells.	Cheyenne.	4,279	20	58.6	—	6.2	93	9	29	30	41	2.16	+ 0.81	0	6	0	19	5	6	sw.	J. W. Adams.						
Cope.	Washington.	15	54.4	—	10.3	91	8	23	25 <sup>a</sup>	47	1.73	+ 0.44	1.10	T.	2	19	8	3	nw.	Mrs. Dora M. Christopher.							
Corona.	Grand.	11,660	5	30.8	—	—	78	24	21	28	3.91	—	0.82	23.5	8	—	—	—	—	w.	U. S. Weather Bureau.						
Denver.	Denver.	5,272	40	54.8	—	7.9	88	4	30	25	40	2.01	+ 1.12	0.79	T.	12	11	11	8	n.	N. P. Levin, M. D.						
Edgewater.	Jefferson.	5,450	4	55.0	—	—	87	4	25	25	44	3.06	—	1.03	0	8	16	7	7	w.	G. H. Thomson.						
Estes Pk. Fish Hatch.	Larimer.	8,000	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Colo. Agricultural College.			
Fort Collins.	Weld.	4,985	33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	R. W. Benedict.			
Fort Lupton.	Weld.	4,907	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Miss Della M. Scott.			
Fort Morgan.	Morgan.	4,319	14	55.1	—	8.3	92	3 <sup>b</sup>	21	25	50	2.90	+ 2.04	0.96	2.0	7	9	15	6	ne.	C. A. Creel.						
Frances.	Boulder.	9,300	7	43.4	—	—	78	4 <sup>b</sup>	16	25	38	3.91	—	1.13	27.3	12	2	23	5	w.	E. W. Davis.						
Frys Ranch.	Phillips.	7,500	2	45.9	—	—	76	3	15	15	43	3.36	—	1.25	21.5	9	13	11	6	w.	A. C. Cauble.						
Georgetown.	Clear Creek.	8,550	10	50.0	—	5.5	80	4	21	15	37	1.20	+ 0.02	0.32	6.0	10	4	19	7	e.	H. L. Corbett.						
Greeley.	Weld.	4,649	21	54.6	—	10.4	88	2 <sup>b</sup>	28	22	46	2.81	+ 2.04	1.12	0.5	7	18	5	7	e.	Nelson Reynolds.						
Grover (near).	Weld.	5,076	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	D. M. Porter.			
Hartsel.	Park.	8,892	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Emily Kleinknecht.			
Hawthorne.	Boulder.	6,000	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	B. E. Chesebro.			
Holyoke (near).	Phillips.	3,745	16	52.4	—	11.3	94	8	14	30	55	1.93	+ 0.80	0.75	4.0	5	14	2	14	ne.	A. C. Cauble.						
Idaho Springs.	Clear Creek.	7,543	12	50.0	—	5.5	80	4	21	15	37	1.20	+ 0.02	0.32	6.0	10	4	19	7	e.	J. J. Willis.						
Julesburg.	Sedgwick.	3,465	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Gt. Western Sugar Co.			
Kearny.	Larimer.	4,966	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	I. S. Griffin.			
Laporte.	Larimer.	4,571	—	—	—																						

TABLE 1.—Climatological data for September, 1912. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.								Precipitation, in inches.								Sky.	Prevailing wind direction.	Observers.
				Mean.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.					
Nebraska—Continued.																						
Blair.	Washington.	1,122	17	62.0	-2.7	95	7†	32	26†	38	4.21	+ 0.89	1.36	0	12	11	9	10	sw.	D. C. Van Deusen.		
Bloomfield.	Knox.	6	59.8	.....	98	8	26	30	42	1.89	.....	0.75	T.	9	8	17	5	s.	Dr. L. C. Bleick.			
Bradshaw.	York.	1,715	14	.....	98	5	23	30	45	1.62	-2.93	0.35	0	7	13	10	7	.....	E. C. Roggy.			
Brewster.	Blaine.																				W. S. Turnbull.	
Bridgeport.	Morrill.	3,658	16	53.5	-8.2	91	4	21	25	48*	1.77	+ 0.70	0.72	.....	7	15	9	6	nw.	R. H. Willis.		
Broken Bow.	Custer.	2,477	18	57.6	-5.2	98	5	23	30	45	1.37	-0.80	0.46	0	6	.....	8	10	sw.	C., B. & Q. R. R. Co.		
Brumling.	Thayer.	1,583	2	2	2	98	5	27	28	39	2.22	.....	0.77	0	11	12	12	10	sw.	Henry Middendorf.		
Burge.	Cherry.	2,674	4	54.8	.....	96	7	24	29	48	1.37	.....	0.42	T.	8	15	4	14	n.	H. A. Davis.		
Butte.	Boyd.	7	59.0	.....	102	8	27	28	39	2.29	.....	1.27	0	7	.....	5	10	nw.	W. Whitla.			
Cairo.	Hall.	1,951	4	.....	.....	.....	.....	.....	.....	4.00	.....	0.82	0	11	14	4	12	s.	Elliott Harrison.			
Callaway.	Custer.	2,555	6	62.4	.....	101	3†	24	30	52	2.07	.....	0.55	0	9	15	1	14	n.	J. H. Evans.		
Cambridge.	Furnas.	2,258	6	60.7	-3.6	97	7	29	30	42	4.33	+ 1.41	1.37	0	11	9	7	14	sw.	Chas. Jensen.		
Columbus.	Platte.	1,442	20	60.7	.....	98	1†	30	30	37	4.56	+ 1.89	0.90	0	12	12	6	12	s.	A. L. Rush.		
Crete.	Saline.	1,368	29	63.9	-2.4	98	1†	27	25	47*	3.59	+ 2.03	1.27	T.	8	16	1	13	ne.	Doane College.		
Culbertson.	Hitchcock.	2,565	26	60.6	-4.9	101	8	27	25	47*	1.95	.....	1.10	0	7	.....	7	13	nw.	Homer L. Nye.		
Curly.	Sioux.	4	48.5†	.....	88	3†	16	25	46†	4.29	+ 1.84	1.27	0	9	12	10	8	sw.	A. E. Hann.			
Curtis.	Frontier.	2,553	16	61.0	-4.1	98	8	24	30	45	3.52	+ 0.90	1.08	0	14	7	12	11	se.	Dr. S. R. Razee.		
David City.	Butler.	1,619	25	62.0	-1.9	97	8	32	30	35	4.00	.....	0.56	0	11	14	4	12	s.	S. Clingman.		
DuBois.	Pawnee.	1,074	8	58.2	.....	98	5†	27	30	51	2.89	.....	1.77	T.	8	13	9	5	n.	O. M. Backus.		
Dumas.	Garfield.	5	62.4	.....	98	5†	27	30	51	2.80	.....	1.15	0	10	13	8	9	nw.	Emile Raes.			
Elm Creek.	Buffalo.	2,268	5	58.2	.....	98	9	27	30	52	2.62	+ 0.37	0.70	0	7	13	8	9	sw.	E. L. Sutton.		
Elsie.	Perkins.	3,382	4	.....	98	5†	27	30	51	2.89	.....	1.54	0	11	12	10	11	se.	J. F. Brittain.			
Ericson (near).	Garfield.	2,029	21	58.2	.....	98	1†	27	30	46	3.98	+ 0.28	0.93	0	8	11	11	8	nw.	J. A. Bodyfield.		
Ewing.	Holt.	1,888	22	60.0	.....	105	1†	28	30	55	2.28	+ 0.14	0.62	0	11	11	11	11	nw.	G. H. Benson.		
Exeter.	Fillmore.	1,007	10	64.1	-2.7	102	9	27	30	43	3.40	+ 0.54	0.86	0	9	10	13	7	s.	Frank Ainsworth.		
Fairbury.	Jefferson.	1,316	31	61.5	-2.7	102	9	27	30	43	2.21	-0.63	0.47	0	10	10	7	13	n.	W. F. Crabb.		
Fairmont.	Fillmore.	1,641	19	61.5	-3.9	97	8	27	30	42	4.79	+ 3.82	4.10	0	8	12	10	8	se.	C., B. & Q. R. R. Co.		
Falls City.	Richardson.	898	17	65.8	-2.8	99	9	30	30	40	2.14	+ 1.03	0.70	0	11	14	5	11	w.	Dr. J. C. Yutzy.		
Fort Robinson.	Dawes.	3,764	29	50.2	-10.4	90	3†	18	27	47	2.61	-0.18	1.10	0	9	14	4	11	se.	Post Surgeon.		
Franklin.	Franklin.	1,829	20	63.8	-3.0	101	5	29	30	51	1.69	-0.86	0.76	0	7	8	8	14	se.	A. R. Peck.		
Fremont.	Dodge.	1,203	32	62.6	-2.5	99	8	28	30	41	3.23	+ 0.47	1.11	0	11	8	10	12	se.	Ernest Hahn.		
Fullerton.	Nance.	1,629	11	60.8	.....	98	1	27	30	46	1.54	-1.24	0.42	0	10	15	7	8	nw.	Dr. F. W. Johnson.		
Geneva.	Fillmore.	1,633	23	64.2	-2.0	98	9	29	30	45	3.85	+ 0.76	1.75	T.	5	15	4	12	nw.	F. M. Flory.		
Genoa.	Nance.	1,584	37	62.4	-2.0	99	7†	29	30	43	1.16	+ 0.28	0.70	0	3	.....	.....	.....	nw.	F. W. Parsons.		
Gordon.	Sheridan.	3,550	11	.....	.....	.....	.....	.....	.....	2.46	+ 0.03	0.91	0	9	16	4	10	nw.	G. F. Williams.			
Gosper.	Gosper.	10	64.1	.....	98	4†	25	30	46	2.18	+ 0.11	0.90	0	6	9	9	12	nw.	E. H. Stoll.			
Gothenburg.	Dawson.	2,557	19	60.2	-4.4	98	4†	25	30	46	2.61	-0.18	1.10	0	9	14	5	11	n.	Dr. W. J. Bartholomew.		
Grand Island.	Hall.	1,860	21	61.4	-3.9	100	5†	29	30	39	2.06	-0.77	0.53	0	8	8	4	11	se.	E. A. Barnes.		
Grant.	Perkins.	3,405	9	56.8	.....	93	1†	23	25	45	2.37	.....	1.01	T.	6	16	4	10	n.	Anson K. Holmes.		
Greeley.	Greeley.	2,021	19	59.4	.....	98	8	30	30	40	3.89	+ 1.79	1.55	0	11	9	14	7	nw.	W. E. Morgan.		
Guide Rock.	Webster.	1,646	13	.....	.....	.....	.....	.....	.....	1.35	-0.05	1.00	0	5	11	8	11	s.	J. S. Marsh.			
Haigler.	Dundy.	3,258	19	57.7	-6.5	97	8	25	25	44	1.11	-0.58	0.53	T.	5	6	8	16	n.	J. L. Pember.		
Halsey.	Thomas.	2,695	10	57.7	-3.2	98	5	30	27	39	4.04	+ 1.20	1.50	0	11	5	12	13	sw.	U. S. Forest Service.		
Hartington.	Cedar.	1,309	22	59.4	.....	98	5	30	30	36	2.06	-0.77	0.53	0	8	8	4	13	sw.	D. E. Ewing.		
Harvard.	Clay.	1,812	23	63.2	-1.6	103	4	30	30	36	3.23	-0.44	1.40	0	7	11	2	17	se.	Bert Gregg.		
Hastings.	Adams.	1,932	23	62.2	-3.1	98	5†	28	30	46	3.23	-0.25	1.00	0	11	9	14	7	se.	C., B. & Q. R. R. Co.		
Hayes Center.	Hayes.	18	59.7	.....	98	7	28	25	40	3.73	+ 1.77	2.25	0.2	6	14	12	4	sw.	C. A. Ready.			
Hay Springs.	Sheridan.	3,821	27	52.4	-7.2	91	4	20	25	47	2.17	+ 1.11	0.65	0	11	10	5	15	nw.	A. Kadlek.		
Hebron.	Thayer.	1,458	27	63.6	-3.1	96	8†	26	30	39	2.71	-0.00	1.24	0	13	.....	.....	.....	nw.	Dr. C. M. Easton.		
Hemingford.	Boxbutte.	4,256	7	.....	.....	.....	.....	.....	.....	1.35	.....	0.80	0	4	.....	.....	.....	.....	.....	A. S. Enyeart.		
Hendley.	Furnas.	2,231	7	.....	.....	.....	.....	.....	.....	2.25	.....	0.73	T.	6	13	6	11	sw.	T. L. Jones.			
Hershey.	Lincoln.	2,902	1	.....	.....	.....	.....	.....	.....	1.47	.....	1.47	T.	10	13	10	7	nw.	G. F. Palmer.			
Hillside.	McPherson.	3,484	4	55.6	.....	92	1†	22	25	50	2.99	.....	0.22	0	10	12	10	7	nw.	Mrs. M. R. Lloyd.		
Holdrege.	Phelps.	2,324	21	61.0	-6.4	99	8	25	25	48	1.41	-0.65	0.68	0	8	12	3	15	ne.	C., B. & Q. R. R. Co.		
Hooper.	Dodge.	1,228	15	61.5	-2.4	98	8	26	30	44	3.44	-0.33	1.50	0	12	.....	.....	.....	nw.	Dr. W. H. Heine.		
Hull (near).	Banner.	2	.....	.....	.....	.....	.....	.....	.....	3.19	.....	1.04	0	7	6	13	4	13	nw.	Mrs. W. P. Miller.		
Imperial.	Chase.	3,278	22	58.0	-6.8	94	7	25	25	47	2.01	+ 0.63	0.41	1.5	9	11	6	13	se.	Robt. Malcolm.		
Kearney.	Buffalo.	2,146	25	63.0	-4.2	101	7†	25	30	47	1.90	-0.83	0.61	0	9	14	8	8	s.	City Engineer.		
Kimball.	Kimball.	4,697	23	53.1	-7.7	91	7	22	24	47	2.25	+ 1.23	1.02	T.	8	11	10	9	nw.	F. J. Bellows.		
Kirkwood.	Rock.	17	57.9	4	4.7	102	8	26	26	43	1.41	-0.84	0.71	0	7	13	4	13	nw.	Mrs. C. Arter.		
Kowanda.	Garden.	4	.....	.....	.....	.....	.....	.....	.....	2.26	.....	0.80	0	11	.....	.....	.....	.....	.....	Geo. W. Hulse.		
Lamar.	Chase.	2,385	23	61.2	-2.7	99	8	25	30	52	1.42	-0.62	0.65	0	6	21	0	9	nw.	Robt. Chadwick.		
Lexington.	Dawson.	1,189	31	63.4	-1.8	99	8	33	30	33	3.04	+ 0.40	0.85	0	14	10	6	14	s.	U. S. Weather Bureau.		
Lodgepole.	Cheyenne.	3,820	16	55.2	-5.8	95	1	22	25	47	2.38	+ 1.16	0.92	T.	7	10	13	7	nw.	R. T. Kidney.		
Loup City.	Sherman.	2,067	18	60.0	-3.9	100	8	25	30	43	2.77	-0.16	1.30	0	7	19	8	3	ne.	Harriet Hayhurst.		
Loyal.	Custer.	2,257	16	62.4	-4.3	99	5	22	30	48	2.13	+ 0.30	0.70	0	5	.....	.....	.....	.....	J. A. Amsberry.		
McCook.	Redwillow.	2,506	16	62.4	-4.3	99	5	22	30	40	1.47	-1.23	0.38	0	7	.....	.....	.....	.....	Joel Hull.		
McCool Junction.	York.	1,575	16	60.0	-3.5	94	5†	31	26†	39	3.25	+ 1.28	1.50	0	7	12	8	10	sw.	U. S. Reclamation Service.		
Madison.	Madison.	1,585	19	60.0	-3.5	94	5†	31	26†	39	4.99	+ 1.95	1.55	0	8	10	5	15	se.	C., B. & Q. R. R. Co.		
Marquette.	Hamilton.	1,830	33	62.4	-4.7	98	1	27	30	44	2.25	-0.34	0.80	0	13	.....	.....	.....	.....	Dr. F. A. Long.		
Mary.	Brown.	2	.....	.....	.....	.....	.....	.....	.....	1.45	.....	0.71	0	8	15	7	8	nw.	John Ellis.			
Mason City.	Custer.	2,257	16	60.2	-2.7	98	8	25	30	40	2.81	.....	1.48	0	9	14	12	4	se.	J. A. Coglizer.		
Minatare.	Scotts Bluff.	3,825	3	.....	.....	.....	.....	.....	.....	1.46	-1.18	0.71	0	1								

TABLE 1.—Climatological data for September, 1912. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmelted.	Number of rainy days.	0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.	
<b>Nebraska—Continued.</b>																				
Santee.	Knox.	25	63.6	-1.6	101	8	34 <sup>b</sup>	25†	36 <sup>b</sup>	1.28	-0.89	0.67	0	8	15	3	12	nw.	Geo. MacGregor.	
Sargent.	Custer.	2,339	20	61.9	102	7†	25	30	43	3.40	+0.91	1.04	0	9	15	7	8	n.	J. L. Ferguson.	
Schuyler.	Colfax.	1,357	20	55.8	90	1†	22	25	51	2.93	-1.67	0.6	12	11	10	9	9	n.	R. O. Brownell.	
Scottsbluff.	Scotts Bluff.	3,888	6	63.4	-3.4	96	7†	34	25	1.14	+0.79	1.15	0	11	15	6	9	se.	A. B. McCoskey.	
Seward.	I. 435	23	63.4	-3.4	96	7†	34	25	37	2.98	+1.84	1.13	1.0	9	20	3	7	ne.	C. B. & Q. R. Co.	
Sidney.	Cheyenne.	4,090	20	60.0	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	ne.	John P. Fischer.	
Springfield.	Sarpy.	1,052	1	57.2	-6.0	95	7	25	45	1.08	-0.29	0.61	T.	8	12	8	10	nw.	L. A. Bates.	
Springview.	Keyspaha.	2,291	21	61.4	-2.6	97	8	29	30	3.80	+0.83	1.22	0	0	9	18	3	n.	C. L. Phelps.	
Stanton.	Stanton.	1,472	17	59.0	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Miss Stella Vennum.	
Stratton.	Hitchcock.	2,804	17	59.0	23	7	25	43	1.43	-0.36	0.65	T.	8	15	7	8	nw.	F. V. Bishop.		
Superior.	Nuckolls.	1,574	28	55.1	-7.2	95	7	27	43	1.43	+0.22	1.49	0	10	12	14	4	s.	W. N. Hunter.	
Syracuse.	Otoe.	1,050	20	64.5	-2.6	99	7†	27	30	41	3.92	+0.23	1.00	0	12	13	9	8	se.	E. D. Howe.
Table Rock.	Pawnee.	1,023	23	59.8	-3.8	96	5†	27	30	40	3.83	+0.42	0.90	0	12	15	10	5	s.	L. E. Pratt.
Tecumseh.	Johnson.	1,113	23	61.5	-3.9	95	1†	30	26†	40	5.97	+3.10	2.13	0	13	9	6	15	se.	Dr. A. D. Nesbit.
Tekamah.	Burt.	1,060	29	63.5	-3.9	99	8	30	36	3.81	+1.05	1.08	0	14	10	9	11	n.	S. W. Perin.	
University Farm.	Lancaster.	2,613	24	65.1	-7.2	95	7	27	45	1.43	-0.36	0.65	T.	8	15	7	8	nw.	U. S. Weather Bureau.	
Valentine.	Cherry.	1,187	10	64.1	-1.6	98	7	30	45	4.32	+1.31	1.25	0	6	20	8	2	s.	W. T. Mauck.	
Wahoo.	Saunders.	1,387	19	59.8	-3.8	96	5†	27	30	40	3.83	+0.68	1.31	0	10	12	8	10	s.	I. H. Weaver.
Wakefield.	Dixon.	61.6*	.....	104	7	28	27	39 <sup>e</sup>	.....	2.47	-0.72	1.15	0	5	10	19	1	n.	E. W. Rossiter.	
Walther.	Thurston.	2,299	7	62.6	2.9	95	9	27	30	40	5.97	+3.10	2.13	0	13	9	6	15	n.	R. E. Swift.
Watertown.	Buffalo.	2,935	15	62.4	100	1	27	30	42 <sup>a</sup>	6.07	+2.97	1.12	0	14	11	10	9	n.	C. D. Fuller.	
Weaumeta.	Cass.	1,080	34	64.1	-1.6	98	7	30	45	4.32	+1.31	1.25	0	6	20	8	2	sw.	S. W. Orton.	
Westpoint.	Cuming.	1,313	24	64.1	-1.6	98	7	30	45	5.02	+0.97	1.84	0	9	22	2	6	sw.	J. C. Elliott.	
Wisner.	do.	1,380	17	63.9	-3.0	100	5†	26	30	44	0.92	-2.08	0.18	0	10	12	10	8	sw.	F. C. Evans.
York.	York.	1,633	22	63.9	-3.0	99	5†	26	30	44	0.92	-2.08	0.18	0	10	12	10	8	sw.	A. T. Giauque.
<b>Iowa.</b>																				
Afton.	Union.	1,212	18	61.7	-3.4	91	1	22	26	28	6.02	+2.37	2.67	0	9	9	10	11	sw.	N. W. Rowell.
Allerton.	Wayne.	10	65.0	-0.3	101	9	30	26	35	2.29	-2.42	0.85	0	6	17	3	10	sw.	Mrs. Geo. Shriver.	
Alton.	Sioux.	1,305	7	59.9	94	8	28	30	36	2.36	-0.51	0	10	5	18	7	n.	W. S. Slagle.		
Atlantic.	Cass.	1,164	21	61.8	-2.6	94	1†	30	26†	34	6.05	+2.56	1.91	0	15	8	7	15	sw.	Thos. H. Whitney.
Audubon.	Audubon.	1,301	18	60.2	-3.0	90	1	22	26†	30	10.26	+6.99	2.25	0	15	9	3	11	se.	Geo. E. Kellogg.
Bedford.	Taylor.	12	62.8	-1.8	99	8	24	27	47	4.43	+0.99	1.13	0	12	14	5	11	s.	E. E. Healy.	
Centerville.	Appanoose.	2	65.2	.....	102	8	30	26	34	0.28	-0.07	0.07	0	7	22	1	7	nw.	Gordon Peacock, jr.	
Chariton.	Lucas.	1,042	17	62.6	-2.9	98	9	27	26	32	2.50	-0.94	0.55	0	6	13	7	10	ne.	C. C. Burr.
Clarinda.	Page.	1,009	22	62.0	-4.2	97	8	28	30	42	4.14	+1.45	1.19	0	12	10	8	12	s.	A. S. Van Sandt.
Corning.	Adams.	1,117	20	61.6	-3.2	94	9	26	34	4.77	+1.81	1.52	0	8	14	5	16	sw.	Jerome Smith.	
Corydon.	Wayne.	1,101	19	65.0	-1.5	101	9	20	26	35	2.76	-0.83	0.58	0	13	9	5	16	se.	May C. Miller.
Council Bluffs.	Pottawattamie.	2	63.0	.....	96	1	26	30	44	7.91	-0.88	0.84	0	15	11	3	16	s.	B. W. Crossley.	
Creston.	Union.	1,312	7	61.2	94	9	29	26	35	6.64	-1.84	1.84	0	14	12	4	14	s.	O. J. Colby.	
Cumberland.	Cass.	13	62.2	-1.5	92	8	29	30	32	6.04	+3.04	1.49	0	10	20	2	8	sw.	J. H. Reppert.	
Denison.	Crawford.	1,180	18	62.2	-1.5	92	8	29	30	32	6.04	+3.04	1.49	0	12	10	10	10	s.	W. C. Van Ness.
Elliott.	Montgomery.	7	62.8	94	1	30	30	36	36	2.53	-0.69	0	10	9	12	9	n.	C. H. Westrose.		
Greenfield.	Adair.	20	61.0	-3.9	91	8	30	26†	32	4.72	+1.31	1.77	0	16	7	16	7	nw.	R. B. Oldham.	
Harlan.	Shelby.	1,182	13	60.4	-2.6	93	1	29	26†	34	8.86	+5.15	3.56	0	14	7	9	14	sw.	C. A. Reynolds.
Inwood.	Lyon.	1,474	8	61.0	96	8	28	27	46	1.37	-0.60	0	11	16	4	10	10	s.	F. B. Hanson.	
Lake Park.	Dickinson.	1,479	11	60.1	94	5†	29	27	40	2.30	-1.10	0	6	17	5	8	nw.	A. E. Woodruff.		
Lamoni.	Decatur.	1,120	5	62.7	94	9	29	26	33	3.25	-1.04	0	11	14	0	16	se.	T. J. Fitzpatrick.		
Larrabee.	Cherokee.	1,266	22	59.6	-3.2	94	4†	25	30	36	3.19	-0.23	0.67	0	9	12	6	n.	R. C. Carnahan.	
Le Mars.	Plymouth.	1,224	16	59.4	-3.1	90	5	29	27	32	3.81	+0.03	1.44	0	11	11	12	7	se.	G. A. Clarke.
Lemon.	Taylor.	1,250	17	62.0	-3.3	92	9	29	26	31	4.79	+1.46	1.05	0	13	18	2	10	s.	J. L. Hurley.
Leon.	Decatur.	1,120	10	64.0	-0.8	94	9	30	26	30	3.60	-1.20	1.45	0	8	9	11	10	s.	Morris Gardner.
Little Sioux.	Harrison.	7	62.4	94	1	30	26†	35	7.04	-0.65	2.65	0	12	9	7	14	w.	Geo. H. Gibson.		
Logan.	Ringgold.	928	45	61.6	-2.5	93	8	30	26	35	7.31	+4.06	3.04	0	10	6	17	7	s.	Glenn H. Stern.
Mount Ayr.	Clarke.	1,236	19	63.5	-3.2	96	9	30	26	33	3.67	+0.14	0.92	0	10	13	9	8	s.	Alex Maxwell.
Murray.	do.	21	62.9	-3.5	97	9	30	26	36	4.79	+1.30	1.41	0	12	12	9	8	s.	N. T. Ashley.	
Northboro.	Page.	13	64.4	95	1†	30	26	38	39	3.90	-1.23	1.23	0	10	9	8	13	se.	J. M. Darby.	
Odebolt.	Sac.	15	61.4	-2.1	95	9	30	27	36	3.92	+0.17	1.10	0	10	15	6	9	sw.	E. Starner.	
Onawa.	Monona.	1,051	12	62.8	-2.4	93	5†	32	36	3.47	-1.33	0.90	0	14	13	12	5	s.	C. G. Perkins.	
Pacific Junction.	Mills.	960	13	61.4	-3.1	96	1	27	30	37	5.75	+2.29	1.48	0	11	7	19	4	n.	H. H. McCartney.
Rock Rapids.	Lyon.	1,358	13	57.6	-5.4	96	8	30	27†	39	2.10	-0.41	1.08	0	8	15	7	8	nw.	W. C. Wyckoff.
Sheldon.	O'Brien.	1,422	12	59.5	-2.0	95	8	28	30	40	2.13	-1.56	1.01	0	8	15	7	8	nw.	Geo. Aupperle.
Sibley.	Oscoda.	1,212	19	57.6	-3.1	93	8	29	26†	37	2.28	-1.09	1.10	0	13	16	5	9	s.	H. G. Doolittle.
Sioux Center.	Sioux.	13	59.2	-2.1	92	5†	30	27†	36	1.83	-0.85	0.62	0	6	13	8	9	nw.	J. de Ruyter.	
Sioux City.	Woodbury.	1,135	23	60.3	-3.8	93	8	33	27	31	3.57	+1.10	1.21	0	12	11	12	7	sw.	U. S. Weather Bureau.
Spencer.	Clay.	2	61.0	97	5†	29	26	38	2.54	0.80	0	7	7	12	7	11	11	s.	S. Gillespie.	
Thurman.	Fremont.	15	62.9	-2.9	96	1	28	30	38	7.71	+2.92	2.81	0							

TABLE 1.—Climatological data for September, 1912. District No. 6—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.			
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total rainfall, unmeasured.	Number of rainy days, 0.01 inch or more.						
<b>Kansas—Continued.</b>																					
Gove.	Gove.	2,750	23															Jesse Royer.			
Hanover.	Washington.	1,225	15	65.9	+ 2.7	105	9	28	30	38	2.82	- 0.23	0.98	0	10	15	6	s.			
Harrison.	Jewell.	1,804	11	63.9	- 3.2	98	8	22	30	45	0.94	- 2.34	0.37	0	6	20	4	s.			
Hays.	Ellis.	2,000	44	65.1	- 3.2	100	3+	25	30	43	1.85	- 0.56	0.60	0	7	15	4	nw.			
Hill City.	Graham.	2,134	4	65.2	- 3.7	100	1+	26	30	48	0.49	- 0.25	0.52	0	4	13	9	n.			
Horton.	Brown.	1,188	23	64.5	- 3.7	99	1	33	30	39	5.46	+ 1.90	2.57	0	12	13	3	se.			
Hoxie.	Sheridan.	2,700	14	63.5	- 3.4	98	1+	26	30	42	1.75	- 1.06	0.41	0	5	8	15	s.			
Lawrence.	Douglas.	997	44	66.8	- 0.3	97	9	34	30	35	4.21	+ 0.52	1.48	0	7	16	4	nw.			
Leavenworth.	Leavenworth.	913	68	66.4	- 1.0	98	9+	32	25	32	3.44	- 0.14	1.32	0	9	18	3	ne.			
Lebanon.	Smith.	1,812	14														E. V. Bower.				
Leoti.	Wichita.	3,300	9	62.44		98 <sup>b</sup>	8	25	5	48 <sup>b</sup>	1.31		0.67	0	8	17	1	se.			
Lincoln.	Lincoln.	1,374	6	66.6		101	1+	26	30	47	1.83		0.80	0	7	14	7	s.			
Lindsborg.	McPherson.	1,333	6														R. W. Greene.				
McCracken.	Rush.	2,139		65.4		100	3	27	30	42	2.12		0.60	0	5	15	8	s.			
Minneapolis.	Ottawa.	1,259	22	66.3	- 2.6	100	9	28	30	41	2.81	+ 0.23	1.11	0	8	16	4	sw.			
Moran.	Allen.	1,095	16	69.2	- 0.9	102	10	33	30	38	2.86	- 1.32	1.10	0	5	14	9	sw.			
Natoma.	Osborne.	1,834	3														C. O. Hunt.				
Norton.	Norton.	2,284	14	62.5	- 4.1	98	8	26	30	45	1.14	- 1.15	0.36	0	7	18	5	sw.			
Oberlin.	Decatur.	2,539	25														Sim Steffel.				
Oketo.	Marshall.	1,194	4	65.3		100	8+	28	30	38	3.29		0.93	0	10	5	14	11			
Olathe.	Johnson.	1,032	17	66.8	- 2.2	98	8	31	30	36	3.31	- 0.09	1.15	0	6	13	8	se.			
Ottawa.	Franklin.	926	18	67.5	- 1.1	99	1+	31	26	40	2.95	- 0.85	1.26	0	8	18	5	s.			
Phillipsburg.	Phillips.	1,939	21	65.2	- 2.2	103	1	25	30	51	1.15	- 1.62	0.45	0	6	13	11	ne.			
Plainville.	Rooks.	2,156	6														P. D. Spellman.				
Pleasanton.	Linn.	862	10	69.0	- 1.5	102	7	31	26	38	2.88	- 0.86	1.06	0	4	20	1	sw.			
Quememo.	Osage.	941															B. F. Blaker.				
Republic.	Republic.	1,495	9	63.7		98	8	22	30	47	1.56		0.33	0	11	5	15	r.			
Russell.	Russell.	1,834	13	66.3	- 2.1	100	1+	27	30	44	1.21	- 1.38	0.42	0	5	15	5	s.			
Russell Springs.	Logan.	2	63.0														Robert Brebner.				
St. Francis.	Cheyenne.	3,288	4	59.7		97	8	24	25	49	2.26		0.60	0	5	14	9	sw.			
Salina.	Saline.	1,227	28	66.0	- 4.1	100	8	28	30	38	1.34	- 0.98	0.58	0	6	12*	6*	sw.			
Scott.	Scott.	2,971	6	64.0		97	7+	30	25	47	0.58		0.37	0	5	16	9	se.			
Smith Center.	Smith.	1,800	2	66.3		100	6	24	30	50	1.02		0.39	0	7	15	6	s.			
Topeka.	Shawnee.	997	26	66.9	- 1.4	98	1	34	30	33	3.98	+ 0.42	1.29	0	8	14	9	sw.			
Tribune.	Greeley.	3,612	13														U. S. Weather Bureau.				
Valley Falls.	Jefferson.	913	13	65.2	- 2.3	100	1	27	26	41	1.84	+ 0.89	1.10	0	5	7	12	11			
Vinland.	Douglas.	880	3														Charles E. Cassel.				
Wakeeney.	Trego.	2,456	29	65.5	- 3.3	99	1+	27	30	43	0.56	- 1.44	1.47	0	6	17	6	sw.			
Wallace.	Wallace.	3,303	42														A. Schick.				
Wamego.	Pottawatomie.	1,002	19														A. S. Peacock.				
<b>Missouri.</b>																					
Amoret.	Bates.	850	4	68.5		101	7	33	26	37	3.00		1.25	0	5	15*	5*	s.			
Appleton City.	St. Clair.	853	23	68.2	- 2.7	102	7	33	26	42	2.48	- 1.01	0.76	0	6	12	11	n.			
Arthur.	Vernon.	767	20	67.8	- 1.6	102	6+	28	30	44	1.59	- 2.47	0.80	0	5	17	7	sw.			
Avalon.	Livingston.	27		67.6	- 1.4	102	8	31	26	37	0.05	- 3.59	0.70	0	6	20	4	sw.			
Bethany.	Harrison.	881	22	67.4	+ 1.0	95	7	29	26	44	3.95	+ 0.31	1.51	0	6	16	6	se.			
Bolivar.	Polk.	1,070	25	70.0	- 0.4	105	7+	34	30	43	5.52	+ 2.05	2.75	0	6	20	4	se.			
Boonville.	Cooper.	600	37														A. C. Fink.				
Brunswick.	Chariton.	652	34	66.8	- 1.4	99	8	32	30	38	1.57	- 2.42	0.86	0	5	14	2	sw.			
Clinton.	Henry.	800	24	69.6		103	7+	31	26	43	1.61	- 1.80	0.43	0	5	18	7	se.			
Columbia.	Boone.	784	24	67.7	- 0.1	98	8	32	30	32	3.55	+ 0.70	1.75	0	9	13	4	se.			
Crocker.	Fulkski.	1,300	25	68.5		99	6	35	24	37	5.19		1.84	0	6	18*	3*	sw.			
Eldon.	Miller.	1	70.2														Ira H. Stephens.				
Eldorado Springs.	Cedar.	750	8	68.6		104	8	29	21	44	2.50		0.96	0	4	12	7	s.			
Fayette.	Howard.	725	30	67.5	- 1.3	97	8+	33	26	36	2.29	- 2.21	1.05	0	6	21	1	sw.			
Fulton.	Callaway.	818	22	69.0	- 0.2	102	8	32	36	38	2.45	- 1.67	0.91	0	5	14*	6*	sw.			
Glasgow.	Howard.	618	35														J. S. Shaughnessy.				
Grant City.	Worth.	1,130	21	64.9	- 2.1	100	9	32	26	36	3.79	0	1.28	0	9	15	1	se.			
Harrisonville.	Cass.	912	41	67.4	- 0.9	101	9	33	26	39	1.93	- 2.30	0.50	0	7	17	0	nw.			
Hazelhurst.	Livingston.	20															W. H. Baker.				
Hermann.	Gaseonade.	483	39														C. T. Mausund.				
Houston.	Texas.	1,280	21	68.0	- 0.9	99	7	34	27	38	5.49	+ 1.57	3.61	0	6	13	5	e.			
Jefferson City.	Cole.	628	31	66.0	- 3.0	101	7	32	30	39	2.18	- 0.74	1.45	0	6	21	0	n.			
Kansas City.	Jackson.	963	25	67.4	- 0.1	97	8	39	30	39	1.99	- 1.77	0.68	0	7	14	7	sw.			
Kidder.	Caldwell.	1,017	23	65.6	- 1.9	98	8+	34	26	31	2.62	- 1.34	0.70	0	10	17	6	sw.			
Lamotte.	Pettis.	863	24	70.64		100	8	35	27	36	5.3	- 1.37	2.88	0	3	15d	4d	sw.			
Lebanon.	Laclede.	1,265	25	68.4	- 1.6	97	8	35	26	39	2.62	- 1.21	1.10	0	5	21	4	n.			
Lexington.	Lafayette.	813	31	68.0	- 0.3	100	8	28	26	35	1.08	- 3.38	0.34	0	6	14	0	sw.			
Liberty.	Clay.	804	25	67.4	- 1.7	100	7	32	26	38	1.56	- 2.17	0.61	0	4	13	9	sw.			
Lockwood.	Dade.	1,088															C. S. Crow.				
Marshall.	Saline.	779	23	66.8	- 1.8	99	8	30	26	41	1.19	- 3.36	0.27	0	6	19	5	sw.			
Maryville.	Nodaway.	1,160	24	64.4	- 1.5	97	8+	31	26	33	4.35	+ 0.79	1.41	0	10	14	1	sw.			
Mount Vernon.	Lawrence.	1,480	36	70.0	- 1.7	101	7	35	25	39	2.67	- 0.85	1.12	0	4	23	2	sw.			
Nevada.	Vernon.	860	19														J. R. White & Son.				
Oregon.	Holt.	1,113	58	65.2	- 1.8	97	1	33	30	36	4.36	+ 1.19	2.53	0							

TABLE 2.—*Daily precipitation for September, 1912. District No. 6, Missouri Valley.*

Stations.	Watershed.	Day of month.																													Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
<i>Wyoming.</i>																																	
Arapahoe	Bighorn									.90	.70																						3.65
Barnum	Powder																																
Basin	Bighorn																																
Bennett	North Platte																																
Big Creek Station	do																																
Burns	South Platte																																
Casper	North Platte																																
Centennial	do	T.	.02																													2.52	
Cheyenne	South Platte																																
Chugwater	North Platte																																
Clark	Yellowstone																																
Cody	Bighorn																																
Crazy Creek	Yellowstone	.73	.02	.04	.05	.03																										1.45	
Dome Lake	Tongue																																
Douglas	North Platte																																
Dubois	Bighorn	.05	T.																													1.43	
Eatons Ranch	Tongue																																
Echeta	Powder																																
Elk Mountain	North Platte																																
Encampment	do																																
Ervay	Powder																																
Fort Laramie	North Platte																																
Foxpark	do																																
Germania	Bighorn																																
Gillette	Powder																																
Horse Creek	Bighorn																																
Hunters Station	Powder																																
Hyattville	Bighorn																																
Jireh	Niobrara																																
Kirtley	do																																
Kirwin	Bighorn																																
Knowles	Cheyenne																																
Lagrange	North Platte																																
Lander	Bighorn																																
Laramie	North Platte	T.	.03																														
Leo	do																																
Lolabama Ranch	Yellowstone																																
Lovell	Bighorn																																
Lusk	Niobrara																																
Manville	do																																
Moorcroft	Cheyenne																																
Moore	North Platte																																
Newcastle	Cheyenne																																
Pathfinder	North Platte	T.	.06																														
Pinebluff	South Platte	T.	.03	T.	T.																												
Pine Ridge	Cheyenne																																
Powell	Bighorn																																
Rawlins	North Platte																																
Riverton	Tongue																																
Rocky point	Powder																																
Saratoga	North Platte																																
Seven-Mile Creek	do																																
Sheridan	Tongue	T.	.15																														
Shoshone Dam	Bighorn																																
Soldiers Home	Powder																																
South Pass City	North Platte																																
Sundance	Cheyenne																																
Thermopolis	Bighorn																																
Thornton	Cheyenne																																
Ulm	Tongue																																
Verona	do																																
Wheatland	North Platte																																
Winters Ranch	do																																
Wiley	Bighorn																																
Woodrock	Tongue	T.	.04	.45																													
Worland	Bighorn																																
Wyncote	North Platte	T.	.01	.04																													
Yellowstone Park	Yellowstone	.07																															
Fairview Dome	do																																
Fountain	Madison																																

TABLE 2.—*Daily precipitation for September, 1912. District No. 6—Continued.*

Stations.	Watershed.	Day of month.																													Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
<i>Montana—Contd.</i>																																	
Chester	Marias	.03	.45	.03	.04																												1.10
Chinook	Milk	.06	.03	.15																													1.26
Clemmons	Missouri	T.	.09	1.30	.11	T.																										3.08	
Clydepark	Yellowstone	.10	T.	.07																												1.07	
Cow Agency	Big Horn	.03		.40																												3.65	
Cut Bank	Marias		.92																													2.42	
Denton	Missouri	.05	.06	.23	.06																											1.72	
Dillon	Jefferson	.09	.22	.09																												0.86	
Dry Creek	Missouri	T.	.15	.18	.04																											2.08	
Dry Wolf Camp			.08	.18	.12																											1.78	
Dunkirk	Marias		.16	.43	.08																											1.68	
East Gallatin River	Gallatin	.10		.19																												2.32	
Ekalaka	Little Missouri																																2.13
Elkhorn	Jefferson	T.	.05	.50	.60																											2.23	
Fallon	Yellowstone		.02	.07	.86	.11	T.																									0.81	
Findon	Missouri	T.	.12	.14	.12	T.	T.																									2.37	
Fish Creek	Jefferson		.50	.38																												2.65	
Flathead Creek	Yellowstone		.12	.14	.12	T.	T.																								2.18		
Forsyth																																2.85	
Fort Benton	Missouri	T.	.70	.20	.15																											1.31	
Fort Shaw																																1.54	
Glasgow	Milk		T.	.75	T.																											1.06	
Glendive	Yellowstone																															1.10	
Gold Butte	Marias	.08	.44	.04																												2.44	
Graham	Powder																															3.17	
Grayling	Madison	T.	.06	.65	.66																											0.47	
Great Falls	Missouri																															2.10	
Halfway House																																1.43	
Harlowton																																0.50	
Havre	Milk		.16	.07	.15																											1.20	
Helena	Missouri	.09	.81	.15	T.	T.																										1.73	
Highwood																																3.02	
Huntley	Yellowstone		.13	.10	.50																											2.85	
Jones Canyon	Gallatin	T.	.06	.10	.08																											3.81	
Jordan	Missouri																																0.85
Knobles Ranch	Milk		.02	.71	.22																											2.42	
Lonetree	Missouri		.20	.10																												1.60	
Lytle			.02	.17	.62	.01	T.																								1.53		
Malta	Milk																																0.93
Medicine Lake	Missouri																																0.87
Mildred	Yellowstone																																1.60
Miles City																																	0.25
Norris	Madison	T.	.02	.13	.17																											1.44	
Olsen Creek	Jefferson		.22	.44	.66																											1.96	
Pinegrove	Missouri																																2.11
Pipestone Pass	Jefferson	T.	.04	.65	.07	.03																										2.29	
Plevna	Yellowstone																																1.83
Poplar	Missouri																																0.25
Red Lodge	Yellowstone																																3.49
Renova	Jefferson	T.	.06	.13	.41																											1.43	
Ryegate	Missouri																																2.08
Savage	Yellowstone																																1.15
Shelby	Marias		.65	.03																												1.56	
Sidney	Yellowstone	T.																														1.44	
Springbrook	Maria																															1.54	
Stearns	Missouri																															3.82	
Sunlit Farm	Milk		.03	.03	.19																										1.02		
Sun River Canyon	Missouri	.06	.02	.03	.43	.07	T.	.02																						2.02			
Trail Creek	Yellowstone	.08	.05	.01																											3.13		
Utica	Missouri		.04	.08	.17																										1.64		
Valentine																																1.72	
Valier	Marias																															2.32	
Virginia City																																1.57	
Wall Rock Mount'n	Missouri	.04	.07	.09	.04																										2.00		
Warm Springs Creek	Madison	T.	.03	.14																												1.85	
Wheaton	Missouri		</td																														

TABLE 2.—*Daily precipitation for September, 1912. District No. 6—Continued.*

Stations.	Watershed.	Day of month.																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
<i>North Dakota—Con.</i>																																
New Rockford.	James.																															
New Salem.	Heart.																															
Orange.	Cannon Ball.																															
Ranger.	L'le Missouri.																															
Steele.	Missouri.	T.																														
Turtle Lake.	do.																															
Washburn.	do.																															
Williston.	do.																															
<i>South Dakota.</i>																																
Aberdeen   .	James.																															
Academy.	Missouri.																															
Ardmore.	Cheyenne.																															
Armour.	Missouri.																															
Bellefourche.	Cheyenne.																															
Brookings.	Big Sioux.	.01																														
Bryant.	do.																															
Camp Crook.	Little Missouri.																															
Canton.	Big Sioux.																															
Cascade Springs.	Cheyenne.																															
Castlewood.	Big Sioux.																															
Centerville.	Missouri.	T.																														
Chamberlain.	do.																															
Clark.	James.																															
Cottonwood.	Missouri.																															
Custer.	Cheyenne.																															
Daviston.	Owl.	T.																														
Deadwood.	Cheyenne.																															
Deerfield.	do.	T.																														
De Smet.	James.																															
Dowling.	Cheyenne.																															
Dumont.	do.																															
Eagle Butte.	Grand.																															
Eales.	Missouri.																															
Edson.	Cheyenne.																															
Elk Mountain.	do.																															
Ellington.	Grand.	T.																														
Englewood.	Cheyenne.	.30																														
Eureka.	Missouri.	.01																														
Fairfax.	do.																															
Faulkton.	James.	.01																														
Flandreau.	Big Sioux.																															
Forestburg.	James.																															
Fort Meade.	Cheyenne.	.10																														
Frederick.	James.																															
Gann Valley.	Missouri.																															
Greenmont.	Cheyenne.																															
Greenwood.	Missouri.																															
Hardingrove.	Cheyenne.																															
Hardy Ranger Station.	do.																															
Harveys Ranch.	do.																															
Hermosa.	do.																															
Highmore.	Missouri.																															
Hopewell.	Cheyenne.																															
Howard.	Missouri.	T.																														
Howell.	James.	.01																														
Huron.	do.																															
Ipswich.	White.																															
Kadoka.	White.	.30																														
Kennebec.	Missouri.	.04																														
Kidder.	James.																															
Kimball.	Missouri.																															
Lacreek.	White.																															
La Delle.	James.																															
Lead.	Cheyenne.																															
Lemmon.	Grand.	.36																														
Manderson.	White.																															
Marion.	Missouri.	T.																														
Marston.	do.																															
Mellette.	James.	T.																														
Menno.	do.	.05																														
Milbank   .	Minnesota.	.10																														
Mitchell   .	James.																															
Mobridge.	Missouri.																															
Murdo.	White.																															
Oelrichs.	Cheyenne.																															
Onaka.	James.																															
Orman.	Cheyenne.																															
Ottumwa.	Missouri.	.12																														
Parkston.	James.																															
Pierre.	Missouri.																															

TABLE 2.—*Daily precipitation for September, 1912. District No. 6—Continued.*

TABLE 2.—*Daily precipitation for September, 1912. District No. 6—Continued.*

TABLE 2.—*Daily precipitation for September, 1912. District No. 6—Continued.*

TABLE 2.—*Daily precipitation for September, 1912. District No. 6—Continued.*

Stations.	Watershed.	Day of month.																													Total.		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
<i>Kansas—Continued.</i>																																	
Tribune.....	Smoky Hill.....																																1.84
Valley Falls.....	Kansas.....	.25	.05	T.																												2.32	
Vinland.....	.....do.....	1.37	.01																													4.20	
Wakeeney.....	Smoky Hill.....																															0.56	
Wallace.....	.....do.....																															10.....	
Wamego.....	Kansas.....	12	.55																													4.15	
<i>Missouri.</i>																																	
Amoret.....	Osage.....	T.	1.25																													3.00	
Appleton City.....	.....do.....	.69																														2.48	
Arthur.....	.....do.....																															1.59	
Avalon.....	Grand.....		.50																													2.05	
Bethany.....	.....do.....	24	1.36																													3.95	
Bolivar.....	Osage.....																															5.52	
Boonville	Missouri.....		.25																													3.08	
Brunswick	Grand.....		.86																													1.57	
Clinton.....	Osage.....	.32	.38																													1.61	
Columbia.....	Missouri.....	.05	.01																													3.55	
Crocker.....	Gasconade.....	1.30																														5.19	
Eldon.....	Osage.....		.14																													2.71	
Eldorado Springs.....	.....do.....	T.	.96																													2.50	
Fayette.....	Missouri.....	.10	.03																													2.29	
Fulton.....	.....do.....		.18																													2.45	
Glasgow	.....do.....	.06																														0.76	
Grant City.....	Grand.....	.10	.48	1.28																												3.79	
Harrisonville	Osage.....		.50																													1.93	
Hazelhurst.....	Grand.....	T.	.10																													1.29	
Hermann	Missouri.....	T.																														4.22	
Houston.....	Gasconade.....	T.																														5.49	
Jefferson City	Missouri.....		.02																													2.18	
Kansas City.....	.....do.....	.41																														1.99	
Kidder	Grand.....		.10																													2.62	
Lamonte.....	Missouri.....		.76																													1.37	
Lebanon.....	Osage.....																															2.62	
Lexington	Missouri.....		.13																													1.08	
Liberty.....	.....do.....	T.																														1.56	
Lockwood.....	Osage.....																																
Marshall.....	Missouri.....		.25																													1.19	
Maryville	.....do.....	.25	.20	1.41	.48																											4.35	
Mount Vernon.....	Osage.....			.22																												2.67	
Nevada.....	.....do.....																															1.43	
Oregon.....	Missouri.....		.15	2.58																												4.66	
Pattensburg	Grand.....																																
Rolla.....	Gasconade.....		.66	.05																												5.32	
St. Charles.....	Missouri.....			.06																												2.82	
St. Joseph.....	.....do.....	T.	.28	1.32																												3.43	
St. Louis (1).....	Mississippi.....			T.																												2.84	
St. Louis (2).....	.....do.....			T.																												2.61	
Sublett.....	Chariton.....				T.																											3.60	
Tarkio.....	Missouri.....	.60	.40	.83																												2.96	
Trenton.....	Grand.....		.78																													2.38	
Unionville	Chariton.....	.04	T.	T.	.30																										1.68		
Warrensburg.....	Missouri.....			.37																												1.63	
Warrenton	.....do.....																															2.47	
Warsaw.....	Osage.....			T.	.78																											2.76	
Wheatland.....	.....do.....		.09																													0.56	

\* Precipitation included in that of the next measurement.

† Separate dates of falls not recorded.

||| Precipitation for the 24 hours ending on the morning when it is measured.

T. Precipitation is less than 0.01 inch rain or melted snow.

## MONTHLY WEATHER REVIEW.

SEPTEMBER, 1912

TABLE 3.—Maximum and minimum temperatures at selected stations for September, 1912. District No. 6, Missouri Valley.

Date.	Wyoming.														Montana.											
	Cheyenne		Fort Laramie		Lander		Newcastle		Pathfinder		Sheridan		Yellowstone Park		Billings		Dillon		Havre		Helena		Malta			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1.	81	50	91	56	74	46	88	54	74	60	72	44	56	38	72	54	74	33	66	44	62	45	68	44	39	39
2.	78	47	85	45	79	46	76	50	77	51	89	45	66	37	86	39	72	35	62	39	59	42	70	39	65	39
3.	81	53	90	58	81	43	65	48	77	54	80	42	69	44	73	44	70	37	65	49	54	47	68	47	50	50
4.	80	53	92	56	76	51	60	48	77	54	81	43	61	40	75	44	74	33	53	32	50	42	65	50	50	49
5.	76	47	78	50	64	41	58	50	68	46	68	38	49	35	68	48	73	34	61	45	59	40	60	40	59	49
6.	75	44	84	35	77	37	65	52	74	40	73	35	66	31	78	36	74	31	70	38	72	38	73	37	73	37
7.	81	52	89	46	75	49	76	50	76	52	86	40	58	37	86	45	72	32	76	51	72	46	77	38	73	38
8.	79	47	84	42	64	47	55	56	74	50	66	47	55	33	64	42	70	34	65	49	60	41	70	37	70	42
9.	53	42	58	50	47	39	68	50	62	40	53	47	57	32	69	35	68	45	64	38	70	42	68	38	70	42
10.	56	40	58	43	50	39	56	48	48	39	55	48	54	35	69	37	72	32	71	36	67	40	72	39	72	39
11.	56	44	65	46	61	44	62	48	67	62	69	41	62	35	78	38	73	32	73	40	68	40	72	40	72	40
12.	68	48	78	50	67	39	62	40	63	45	69	41	62	35	78	38	73	32	73	39	71	43	75	42	75	42
13.	60	33	60	45	56	32	52	38	60	33	58	35	47	30	56	45	68	31	55	43	56	42	68	44	68	44
14.	34	29	46	39	39	32	48	36	35	31	40	33	41	29	45	39	65	32	53	33	45	37	68	36	68	36
15.	41	25	52	33	45	30	44	33	42	26	41	32	40	30	42	34	69	30	56	25	55	34	69	33	69	33
16.	54	31	60	34	58	31	40	32	52	33	49	31	56	25	62	29	72	29	64	23	67	33	68	25	68	25
17.	59	37	63	32	64	30	52	32	60	36	64	28	65	27	74	30	73	30	75	26	70	45	73	24	73	24
18.	69	33	76	32	73	33	71	34	68	38	73	34	64	31	76	39	67	32	72	46	74	50	74	26	74	26
19.	69	33	60	40	64	32	60	42	69	34	55	36	57	31	58	46	70	31	49	39	52	38	68	32	68	32
20.	43	30	52	33	46	29	42	34	42	31	46	34	39	27	54	39	74	30	54	33	51	36	49	33	51	36
21.	54	33	62	33	59	30	52	30	55	34	58	42	53	21	63	33	69	31	65	29	63	31	68	31	68	31
22.	65	33	74	29	68	31	65	40	63	37	70	40	51	33	68	39	65	33	60	38	58	39	60	35	60	35
23.	60	39	63	42	56	33	56	36	59	43	48	35	46	31	47	42	62	32	39	33	49	34	40	35	40	35
24.	39	26	38	32	36	26	44	32	43	28	40	31	41	25	45	34	68	31	42	30	47	34	45	34	45	34
25.	53	22	62	22	52	21	40	22	50	26	50	27	44	23	54	28	65	32	51	29	50	36	53	37	53	37
26.	52	34	55	27	56	29	45	28	55	36	47	37	51	30	60	39	67	28	53	34	52	36	53	30	53	30
27.	52	36	54	39	49	32	38	30	52	35	49	39	48	31	54	39	65	29	52	33	54	40	53	35	53	35
28.	43	32	48	30	44	37	44	28	47	31	44	35	47	25	51	31	69	30	47	26	54	33	49	22	54	22
29.	41	30	50	32	54	35	48	24	53	33	60	23	63	21	65	23	72	29	65	22	60	27	66	22	66	22
30.	68	24	75	24	63	27	68	30	63	28	73	23	74	28	73	24	74	31	70	29	73	26	67	33	73	22
Mns.	60.7	37.6	66.6	39.2	59.6	35.7	57.7	39.2	59.9	38.9	60.6	36.8	54.2	31.3	64.7	38.1	69.8	31.6	60.8	36.5	59.4	38.7	64.2°	35.3		

  

Date.	Montana.				North Dakota.								South Dakota.														
	Miles City.		Poplar.		Berthold Agency.	Bismarck.		Dickinson §§	James-town §§		Williston.	Aberdeen §§	Huron.	Kadoka.	Kimball.	Lemmon.	Pierre.	Rapid City.									
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.			
1.	75	60	71	50	71	47	74	49	S2	47	77	50	71	50	80	55	88	59	86	55	S4	59	84	62	75	55	
2.	93	46	88	38	80	34	80	40	S2	36	77	42	S1	37	85	45	S1	48	86	54	S0	50	S2	46	81	54	
3.	82	52	80	47	93	59	93	68	91	54	88	45	80	51	95	46	87	67	92	65	85	60	93	67	92	63	
4.	81	66	71	59	93	60	94	67	95	56	89	63	84	60	95	63	97	62	94	69	91	69	91	69	91	58	
5.	70	56	76	54	78	57	82	49	79	61	89	64	66	48	95	70	94	60	70	75	52	86	60	76	51	71	
6.	78	44	80	54	77	40	82	46	76	40	80	45	71	44	85	43	S3	48	88	48	82	53	80	46	86	52	
7.	79	48	82	56	83	35	86	44	82	43	83	44	80	43	90	45	90	61	94	58	90	61	94	58	90	53	
8.	71	52	78	46	74	45	79	54	80	45	95	43	70	51	93	58	96	66	80	57	93	61	77	53	85	75	
9.	68	47	76	42	70	42	74	51	69	47	75	55	65	45	80	50	81	62	75	50	80	62	74	53	79	58	
10.	64	45	73	33	68	39	65	46	65	41	67	44	68	36	65	53	66	55	71	54	75	54	64	56	70	50	
11.	76	44	74	36	77	31	76	40	74	37	75	38	74	38	80	42	74	47	74	60	46	73	59	74	46	76	45
12.	78	48	75	42	79	40	75	49	77	45	81	41	77	43	76	44	72	51	84	51	75	54	79	53	78	54	
13.	59	46	73	46	65	46	58	44	60	47	58	46	57	42	60	46	69	49	65	50	70	51	66	43	65	49	
14.	44	40	48	42	49	38	49	39	47	37	48	41	45	39	56	38	59	42	57	43	60	44	66	34	55	47	
15.	44	38	51	38	44	36	41	38	40	34	46	39	46	37	50	43	54	42	52	38	54	41					

TABLE 3.—Maximum and minimum temperatures at selected stations for September, 1912. District No. 6—Continued.

Date.	South Dakota.				Colorado.				Nebraska.																							
	Sioux Falls.		Watertown.		Yankton.		Denver.		Wray.		Alma.		Bridgeport.		Grand Island.		Hay Springs.		Hebron.		Lincoln.		North Platte.		Oakdale.		Omaha.					
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.				
1.....	91	59	90	54	92	62	85	54	90	56	97	63	94	70	86	55	95	70	97	74	91	55	94	56	96	72						
2.....	82	55	80	44	81	60	88	54	83	57	91	62	88	57	89	66	85	48	89	72	85	67	90	58	80	68						
3.....	86	57	85	46	84	67	87	56	92	53	98	67	88	54	92	67	90	55	91	71	88	69	92	62	87	84	89	68				
4.....	90	65	89	64	92	72	88	55	92	55	100	71	91	51	97	72	91	55	94	73	96	75	95	68	94	70	89	75				
5.....	94	70	92	68	97	66	81	58	84	57	98	73	76	50	100	73	81	52	95	73	98	64	98	64	91	74						
6.....	84	57	83	45	81	58	82	49	84	51	95	65	82	42	92	62	80	45	90	65	89	69	87	54	83	56	88	72				
7.....	90	57	88	46	94	64	86	51	93	45	95	55	90	42	100	64	88	43	94	72	97	73	95	53	91	63	93	72				
8.....	95	62	95	57	97	73	87	55	95	49	99	65	85	45	99	74	78	45	96	67	99	74	95	66	94	67	94	73				
9.....	83	67	82	61	78	65	65	48	79	60	90	61	75	51	87	76	68	50	96	71	94	68	77	61	75	65	92	66				
10....	68	59	68	56	69	59	60	48	74	57	83	63	66	50	80	64	64	49	85	66	83	66	70	56	70	60	84	68				
11....	71	53	75	41	71	55	63	49	64	53	70	59	58	51	69	60	64	48	74	63	73	61	62	55	68	57	72	62				
12....	73	51	77	41	71	55	71	48	76	57	75	60	76	54	72	60	76	54	76	62	74	60	69	56	71	55	73	61				
13....	75	53	71	49	76	52	68	37	74	49	78	58	65	48	78	58	65	45	75	63	79	58	72	50	74	50	79	59				
14....	53	40	69	36	56	46	43	32	60	38	60	50	50	39	60	50	50	39	63	49	59	49	49	43	54	44	61	50				
15....	49	42	50	36	54	46	52	32	53	39	56	45	54	38	58	44	48	33	56	47	55	55	42	55	43	55	50					
16....	63	39	54	30	64	42	65	35	69	43	69	34	60	32	68	45	52	33	63	52	66	42	64	39	65	39	65	46				
17....	55	38	55	31	56	41	69	42	64	41	65	45	58	33	65	46	52	29	63	51	63	46	57	37	55	40	63	46				
18....	64	38	69	32	64	42	74	37	74	33	70	31	74	30	67	38	72	27	65	38	65	42	71	33	63	41	62	43				
19....	75	40	77	33	80	47	76	36	84	41	86	40	68	36	84	45	82	45	81	48	77	42	79	44	78	48						
20....	57	43	54	39	60	44	51	33	59	43	70	36	51	32	62	48	50	38	60	48	62	47	57	40	59	43	60	50				
21....	53	37	48	39	53	39	62	33	63	31	67	32	57	33	61	42	54	35	63	36	62	41	60	38	55	35	60	44				
22....	65	39	64	38	68	40	74	36	75	31	78	28	76	26	76	49	71	32	76	37	76	43	73	32	67	46	74	48				
23....	78	40	72	41	77	46	64	43	74	34	80	40	60	39	79	46	60	35	77	46	79	48	74	39	75	38	78	50				
24....	51	40	51	47	63	33	44	32	58	35	60	40	48	35	52	49	45	30	60	46	61	38	48	33	56	34	61	39				
25....	45	32	54	30	47	33	59	30	59	22	57	28	60	21	53	32	53	20	54	36	55	44	56	27	49	32	52	36				
26....	45	31	45	25	57	36	60	33	66	41	63	33	58	33	60	41	55	34	66	34	61	34	62	38	59	32	58	38				
27....	55	28	50	21	45	31	64	35	69	37	55	40	58	39	45	40	48	32	52	44	45	39	45	38	42	33	48	38				
28....	56	28	50	22	54	30	48	40	60	32	49	39	54	33	47	39	42	32	49	42	49	39	58	38	46	36	47	40				
29....	57	30	55	30	49	35	41	34	51	35	47	35	53	33	49	37	52	23	49	37	52	37	52	34	48	31	53	39				
30....	28	69	32	68	34	70	32	69	35	67	21	68	30	65	29	72	25	62	26	64	33	67	27	64	27	62	37	62	37			
Mns.	69.2 <sup>a</sup>	45.9	68.7	41.1	70.0	49.1	67.6	41.9	72.9	43.7	75.6	48.0	67.1 <sup>a</sup>	39.9 <sup>a</sup>	70.0	52.9	65.3	39.4	73.7	53.4	73.5	53.2	70.2	45.9	69.1	47.4	71.7	54.4				

Date.	Nebraska.				Iowa.				Kansas.				Missouri.															
	Valentine.		Clarinda.		Sibley.		Sioux City.		Colby.		Concordia.		Salina.		Topeka.		Wakeeney.		Columbia.		Kansas City.		St. Louis.		Unionville.			
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.		
1.....	90	62	96	69	89	61	90	69	95	58	99	76	99	75	98	79	99	69	95	74	96	78	94	76	95	72		
2.....	78	55	77	65	79	56	65	60	93	60	92	74	90	73	91	68	95	68	91	70	89	69	92	75	84	66		
3.....	89	62	85	65	85	58	82	68	98	60	95	71	94	71	92	70	99	67	91	69	91	69	92	76	90	65		
4.....	93	64	91	67	90	65	88	72	97	63	95	70	97	72	95	75	98	70	94	73	94	74	94	76	93	68		
5.....	87	55	93	67	92	71	71	69	93	67	93	75	96	75	95	70	99	72	95	72	93	74	94	77	94	70		
6.....	85	49	89	62	80	59	83	66	89	57	96	67	91	70	95	72	99	63	95	70	93	76	93	79	97	69		
7.....	95	56	96	67	90	59	91	65	96	53	98	71	96	70	97	72	98	60	98	68	96	75	94	77	98	66		
8.....	87	61	97	66	93	62	93	70	100	70	93	73	100	73	97	71	99	66	98	70	97	76	95	74	97	70		
9.....	75	57	96	62	85	69	85	65	82	60	98	70	98	76	98	73	94	70	95	75	96	78	93	77	99	71		
10....	66	52	85	61	69	60	70	63	81	61	66	92</td																